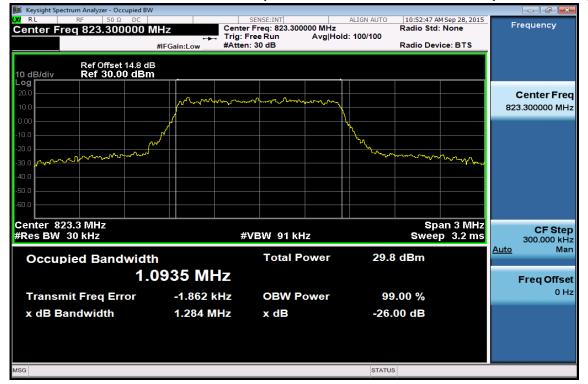
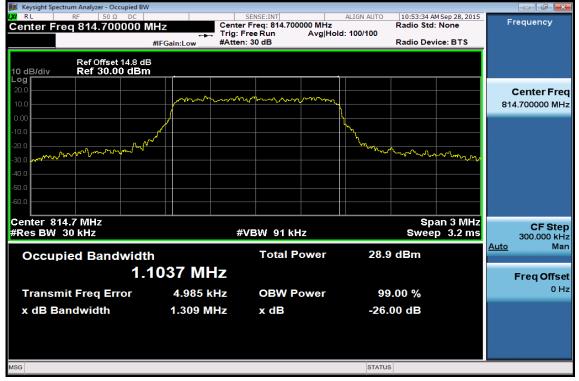


1.4MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 6 Offset: 0) Channel High



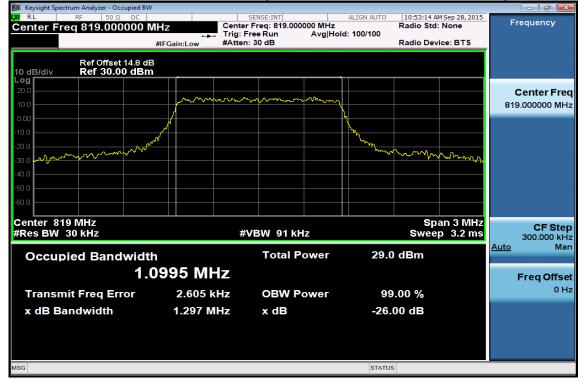
1.4MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 6 Offset: 0) Channel Low



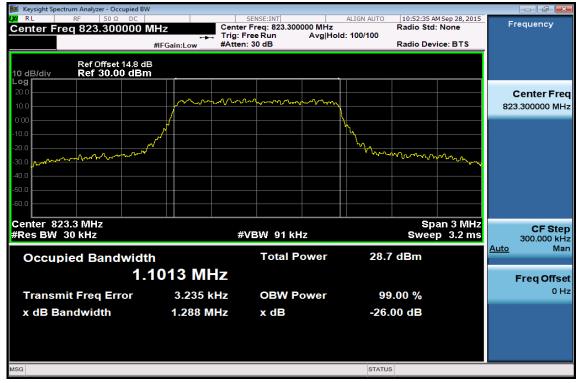
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1.4MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 6 Offset: 0) Channel Mid



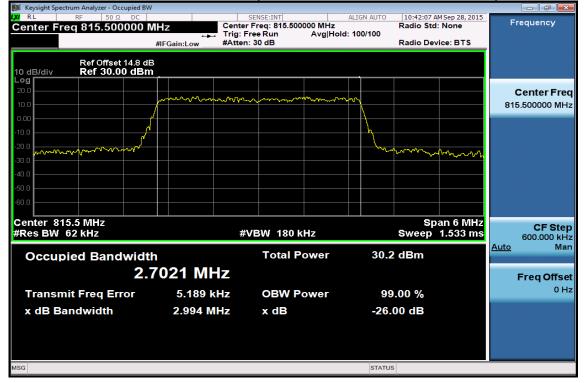
1.4MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 6 Offset: 0) Channel High



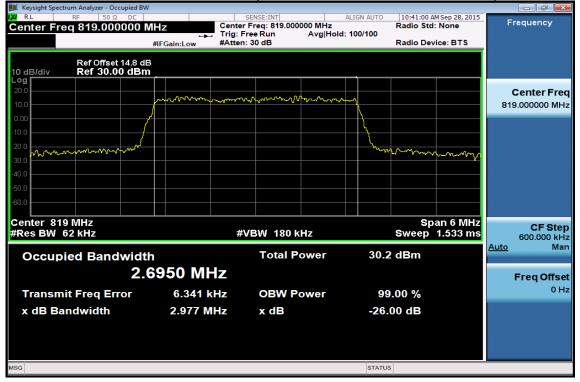
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



3MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 15 Offset: 0) Channel Low



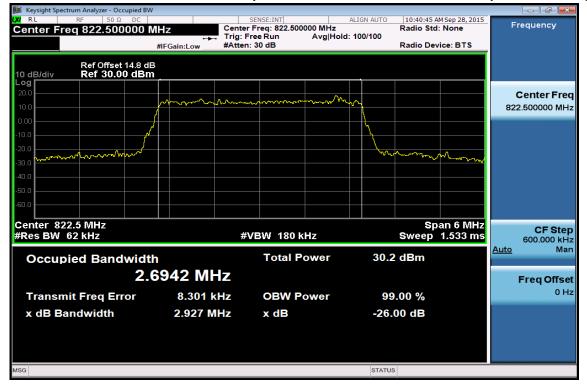
3MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 15 Offset: 0) Channel Mid



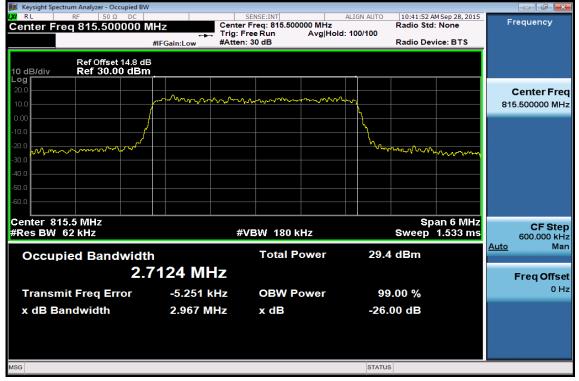
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3MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 15 Offset: 0) Channel High



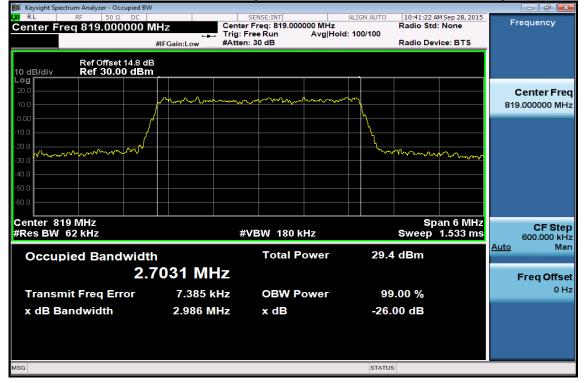
3MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 15 Offset: 0) Channel Low



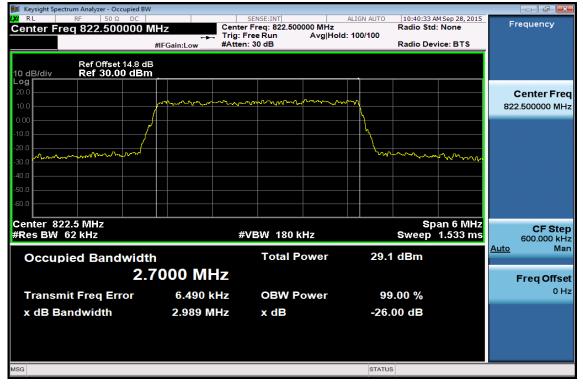
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3MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 15 Offset: 0) Channel Mid



3MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 15 Offset: 0) Channel High



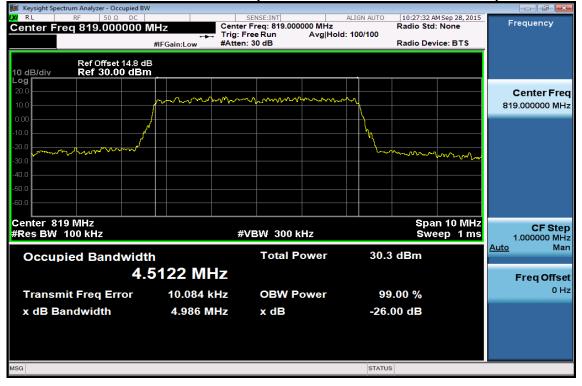
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5MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 25 Offset: 0) Channel Low

Keysight Spectrum Analyzer - Occupied BW 10:27:56 AM Sep 28, 2015 Radio Std: None ALIGN AUTO Center Freq: 816.500000 MHz Trig: Free Run Avg|Hc #Atten: 30 dB Frequency Center Freq 816.500000 MHz Avg|Hold: 100/100 #IFGain:Low Radio Device: BTS Ref Offset 14.8 dB Ref 30.00 dBm 10 dB/div .og Center Fred 816.500000 MHz Span 10 MHz Sweep 1 ms Center 816.5 MHz #Res BW 100 kHz **CF** Step #VBW 300 kHz 1 000000 MHz <u>Auto</u> Man **Occupied Bandwidth Total Power** 30.3 dBm 4.5118 MHz Freq Offset 0 Hz -510 Hz **Transmit Freq Error OBW Power** 99.00 % x dB Bandwidth 4.888 MHz x dB -26.00 dB STATUS MSG

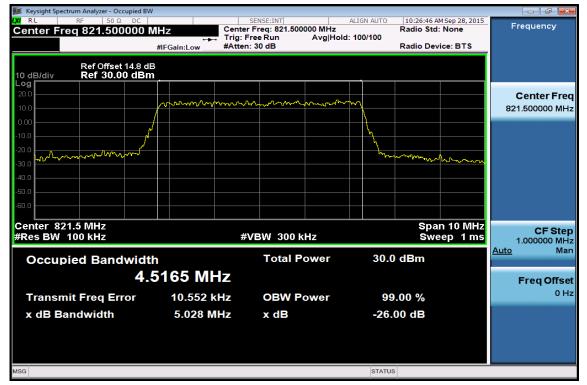
5MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 25 Offset: 0) Channel Mid



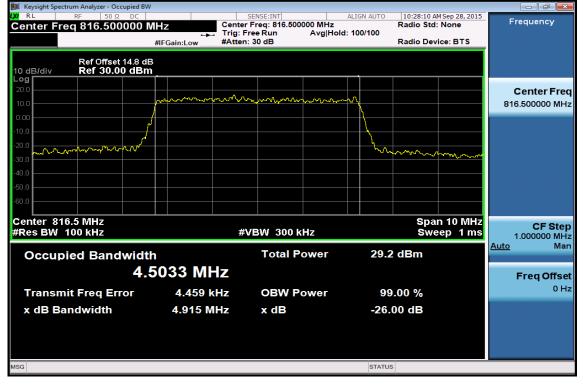
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5MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 25 Offset: 0) Channel Low



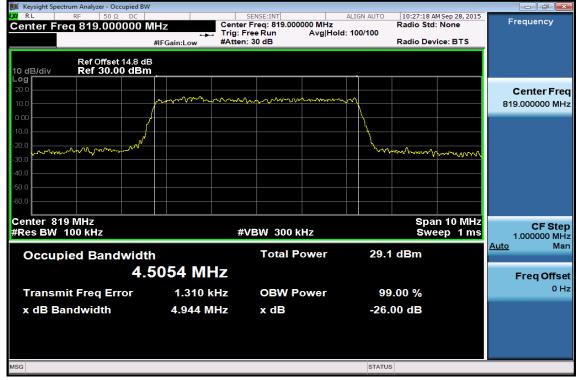
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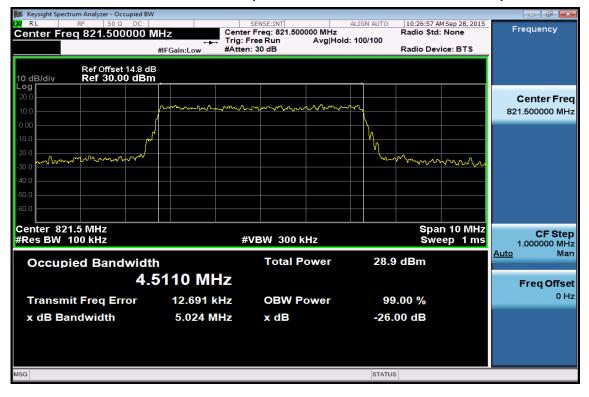
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5MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 25 Offset: 0) Channel Mid



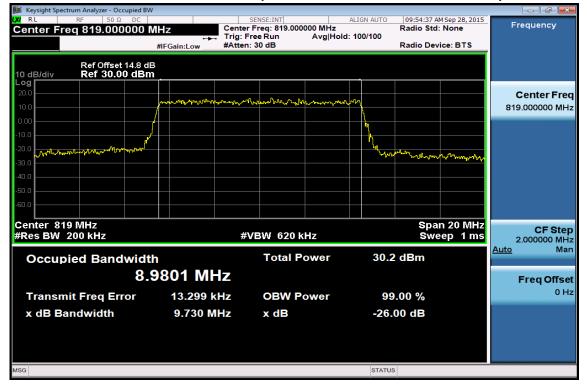
5MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 25 Offset: 0) Channel High



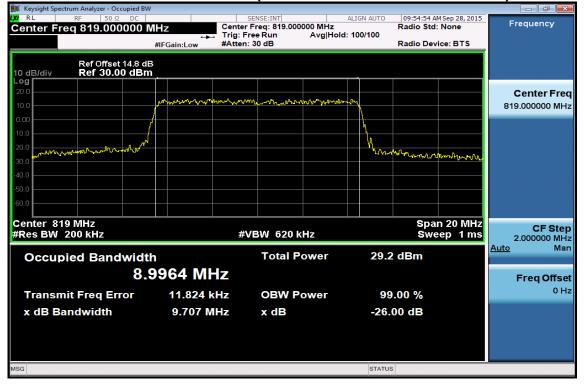
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10MHz BW LTE-Band 26 for Part 90 S(QPSK RB Number: 50 Offset: 0) Channel Mid



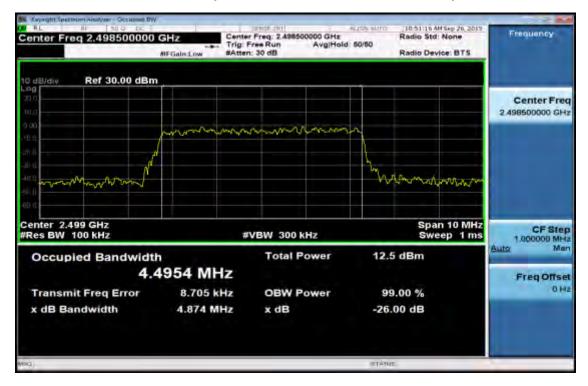
10MHz BW LTE-Band 26 for Part 90 S(16QAM RB Number: 50 Offset: 0) Channel Mid



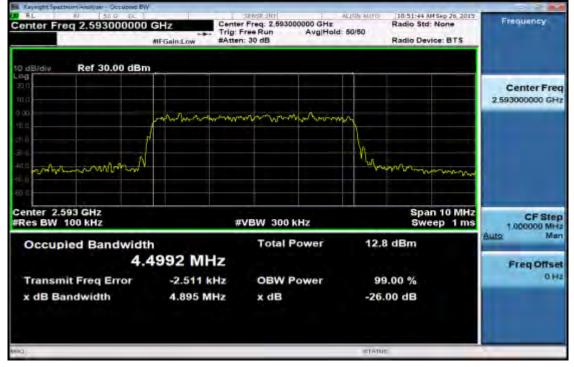
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5MHz BW LTE-Band 41(QPSK RB Number: 25 Offset: 0) Channel Low



5MHz BW LTE-Band 41(QPSK RB Number: 25 Offset: 0) Channel Mid



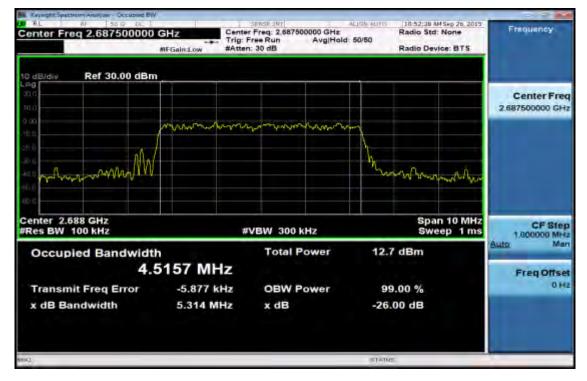
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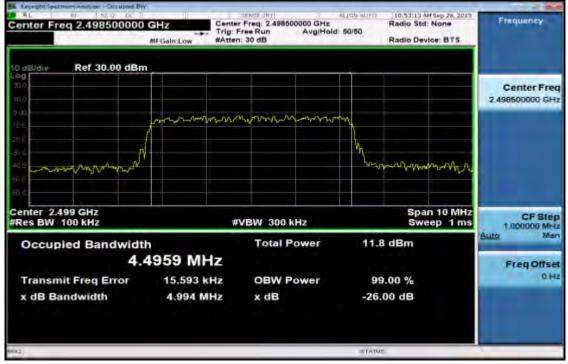
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5MHz BW LTE-Band 41(QPSK RB Number: 25 Offset: 0) Channel High



5MHz BW LTE-Band 41(16QAM RB Number: 25 Offset: 0) Channel Low

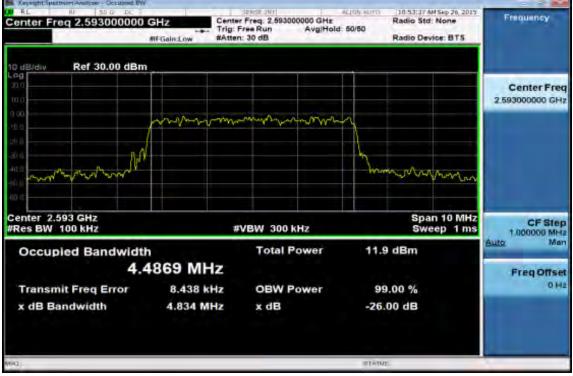


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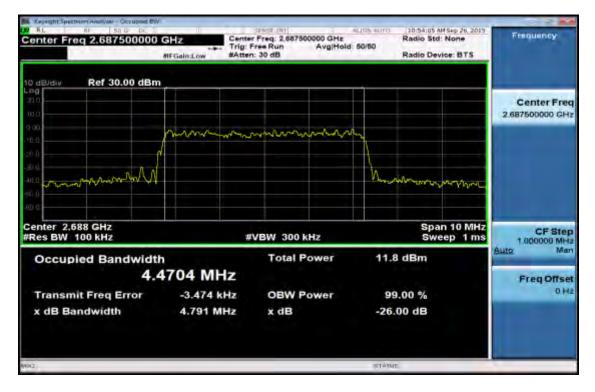
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5MHz BW LTE-Band 41(16QAM RB Number: 25 Offset: 0) Channel Mid



5MHz BW LTE-Band 41(16QAM RB Number: 25 Offset: 0) Channel High

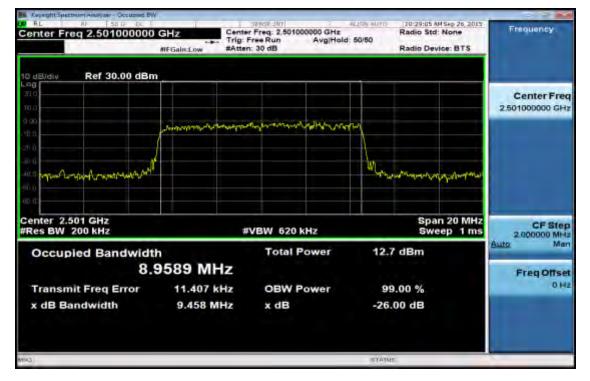


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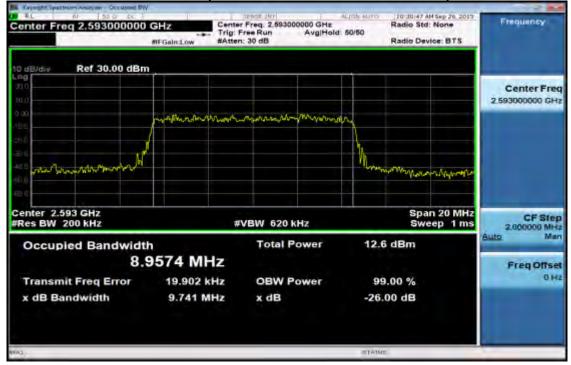
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10MHz BW LTE-Band 41(QPSK RB Number: 50 Offset: 0) Channel Low



10MHz BW LTE-Band 41(QPSK RB Number: 50 Offset: 0) Channel Mid

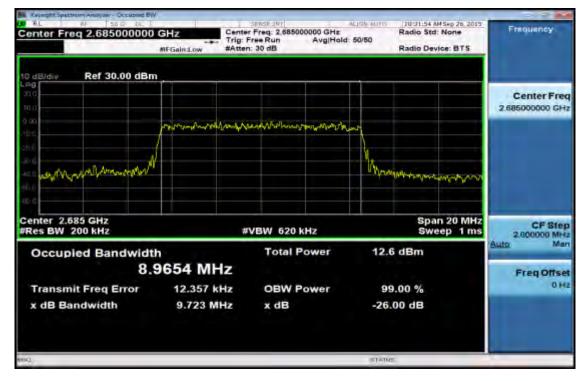


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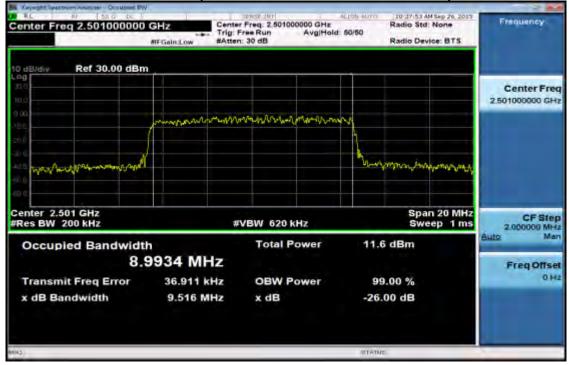
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10MHz BW LTE-Band 41(QPSK RB Number: 50 Offset: 0) Channel High



10MHz BW LTE-Band 41(16QAM RB Number: 50 Offset: 0) Channel Low



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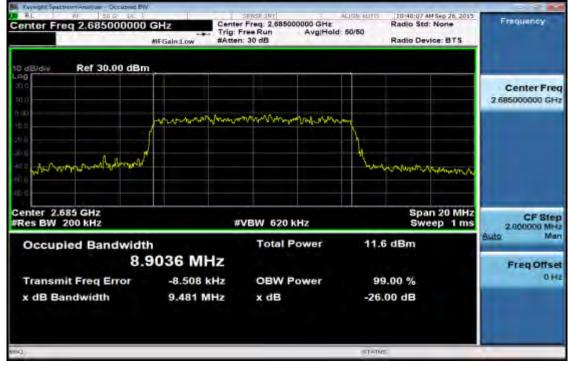
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10MHz BW LTE-Band 41(16QAM RB Number: 50 Offset: 0) Channel Mid

Center Freq: 2.593000000 GHz Trig: Free Run AvgiHold: 50/50 #Atten: 30 dB Radio Std: None Frequency Center Freg 2.593000000 GHz Radio Device: BTS MFGain:Low Ref 30.00 dBm Center Freq 2 593000000 GHz manut 1 partition of Center 2.593 GHz Span 20 MHz **CF** Step #VBW 620 kHz #Res BW 200 kHz Sweep 1 ms 2.000000 N Áuto Ma Occupied Bandwidth Total Power 11.5 dBm 8.9662 MHz Freq Offset OH 3.447 kHz **OBW Power** Transmit Freq Error 99.00 % x dB Bandwidth 9.643 MHz -26.00 dB x dB

10MHz BW LTE-Band 41(16QAM RB Number: 50 Offset: 0) Channel High



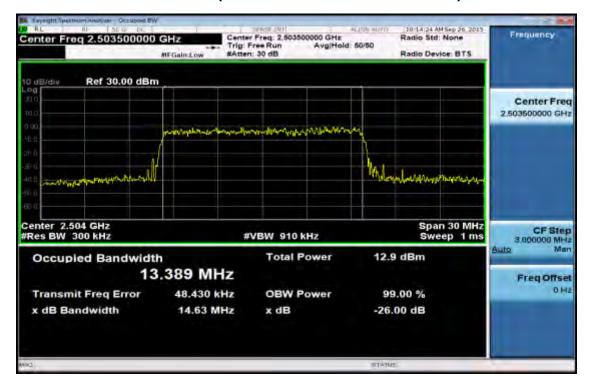
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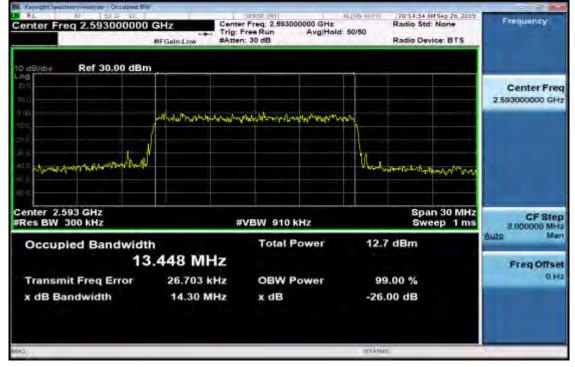
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15MHz BW LTE-Band 41(QPSK RB Number: 75 Offset: 0) Channel Low



15MHz BW LTE-Band 41(QPSK RB Number: 75 Offset: 0) Channel Mid



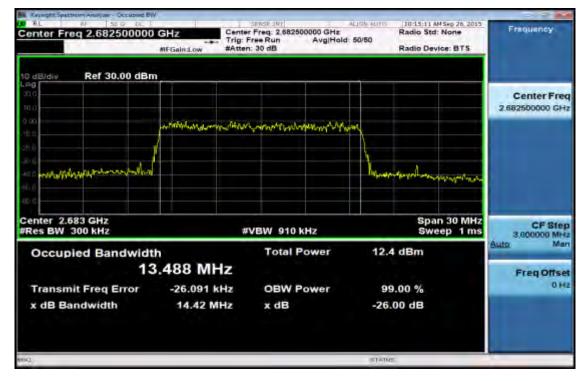
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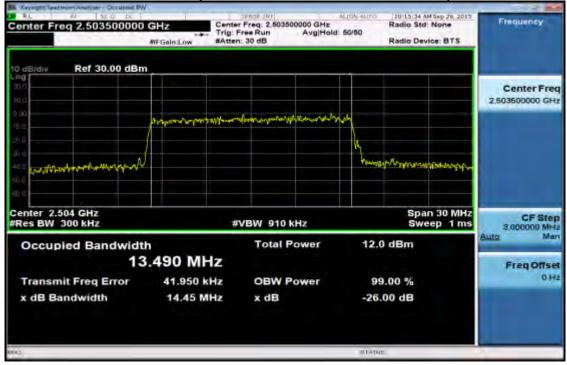
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15MHz BW LTE-Band 41(QPSK RB Number: 75 Offset: 0) Channel High



15MHz BW LTE-Band 41(16QAM RB Number: 75 Offset: 0) Channel Low

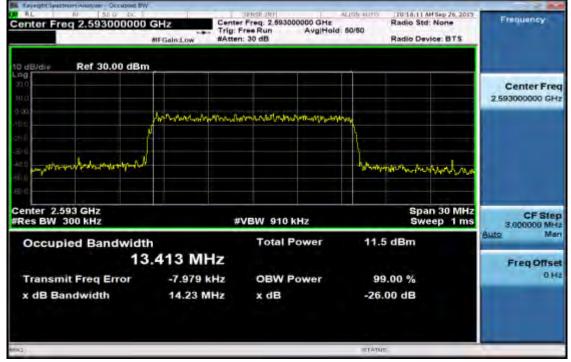


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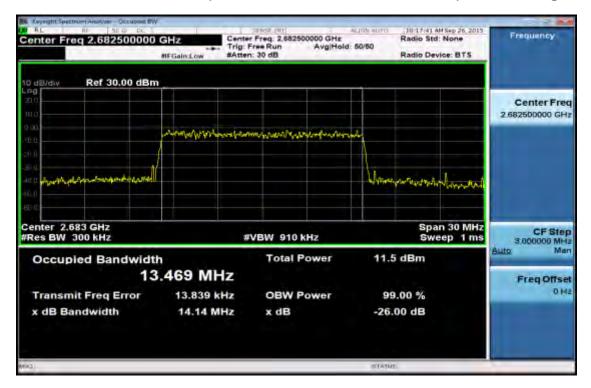
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15MHz BW LTE-Band 41(16QAM RB Number: 75 Offset: 0) Channel Mid



15MHz BW LTE-Band 41(16QAM RB Number: 75 Offset: 0) Channel High



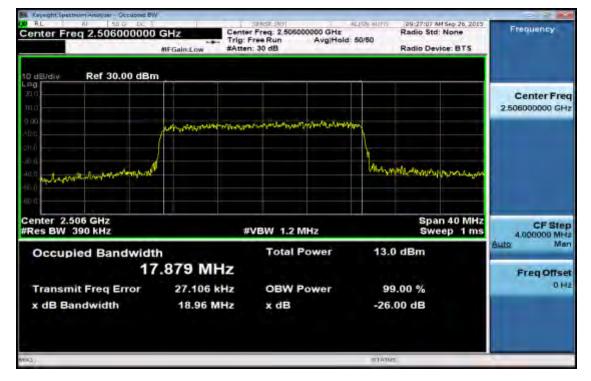
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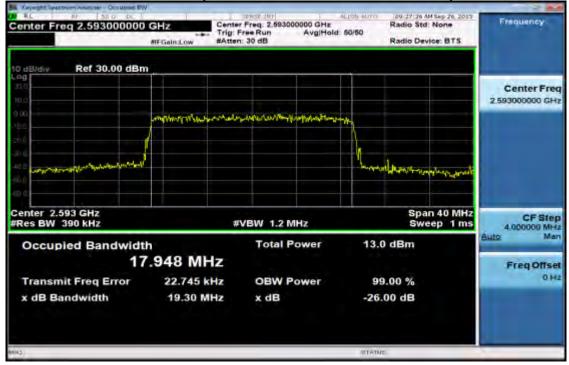
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20MHz BW LTE-Band 41(QPSK RB Number: 100 Offset: 0) Channel Low



20MHz BW LTE-Band 41(QPSK RB Number: 100 Offset: 0) Channel Mid

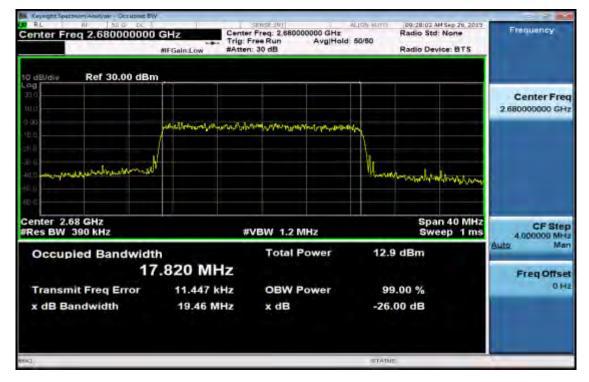


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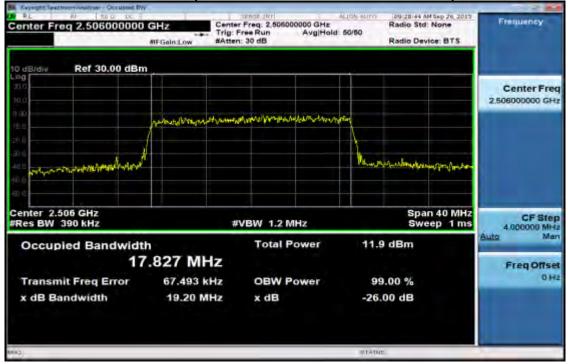
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20MHz BW LTE-Band 41(QPSK RB Number: 100 Offset: 0) Channel High



20MHz BW LTE-Band 41(16QAM RB Number: 100 Offset: 0) Channel Low

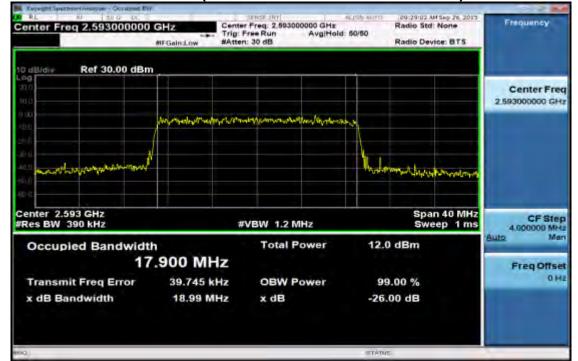


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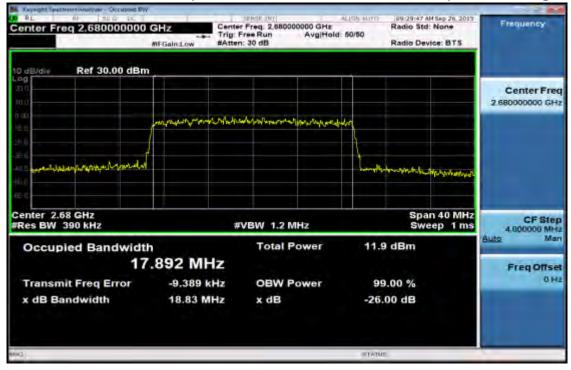
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20MHz BW LTE-Band 41(16QAM RB Number: 100 Offset: 0) Channel Mid



20MHz BW LTE-Band 41(16QAM RB Number: 100 Offset: 0) Channel High



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8. OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1. Standard Applicable

FCC §22.917(a), §24.238(a), §27.53(g)(h), the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

§27.53 (m) (4) shall not be less than 55 +10log(mean output power in watt) dBc below the mean power output outside a license's frequency block (-25dBm).

FCC §27.53(c) (2) (4)

(c) For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §27.53(g)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53(h)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in § 27.53(m)(6). In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

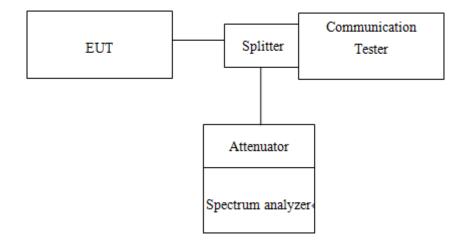
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8.2. Test SET-UP



8.3. Measurement Procedure

Conducted Emission

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

Band Edge

- 1. To connect Antenna Port of EUT to Spectrum.
- The band edge of low and high channels for the highest RF powers was measured. Setting RBW ≥ 1% EBW.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

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8.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site									
EQUIPMENT	MFR	MODEL	SERIAL	LAST	CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
Spectrum Analyzer	Agilent	E4440A	MY45304525	05/05/2015	05/04/2016				
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2015	02/10/2016				
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	10/08/2014	10/09/2015				
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2015	01/01/2016				
Attenuator	Mini-Circuit	BW-S10W2+	002	01/02/2015	01/01/2016				
Splitter	Agilent	11636B	N/A	01/02/2015	01/01/2016				
DC Power Supply	Agilent	E3640A	MY52410006	11/10/2014	11/09/2015				

8.5. Measurement Result:

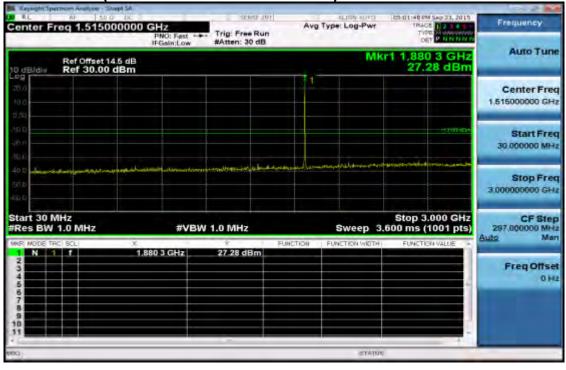
Refer to next pages.

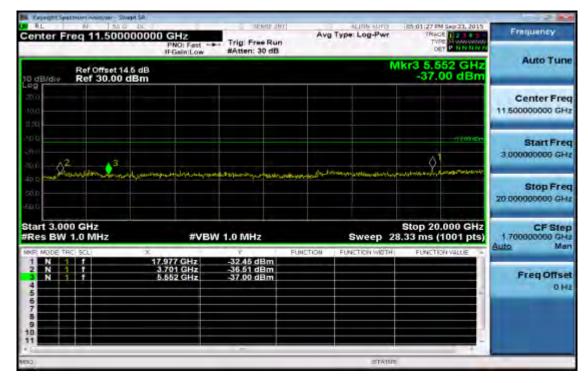
NOTE: The occurrence of the spike on the conducted emission is the signal of the fundamental emission.

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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest





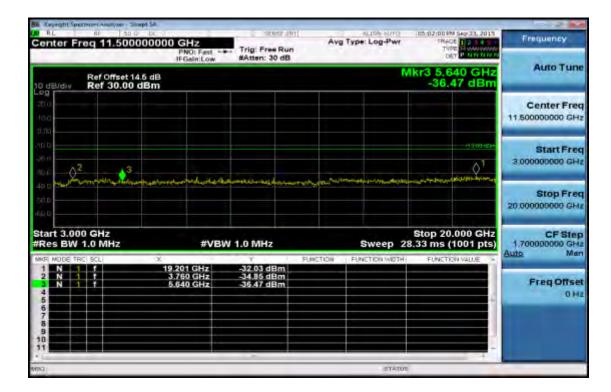
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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Mid

Keynight Spactnum Analyzer - Skrapt SA					0.2
enter Freg 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	05:01:14:00 Sep 21, 2015 TRACE 1 2 3:4 3 TYPE NORMALINE DET P NORMALINE	Frequency
Ref Offset 14.5 dB Ref 30.00 dBm	T DE TIE DE		Mk	1 1.850 6 GHz 26.90 dBm	Auto Tun
99 20.0 10.0 2.0			1		Center Fre 1.515000000 GH
00 00				110260	Start Fre 30,000000 MH
lo ti ci p	بىرىلىغ ئەنىلىر 	and an and a second	and and the commentant of the first state of the second state of t	99 9	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBI	V 1.0 MHz	Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 Mit Auto Mit
NR MODE TRC SCL X	850 6 GHz	26.90 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offs
5 6 7 8 9 9					
					_

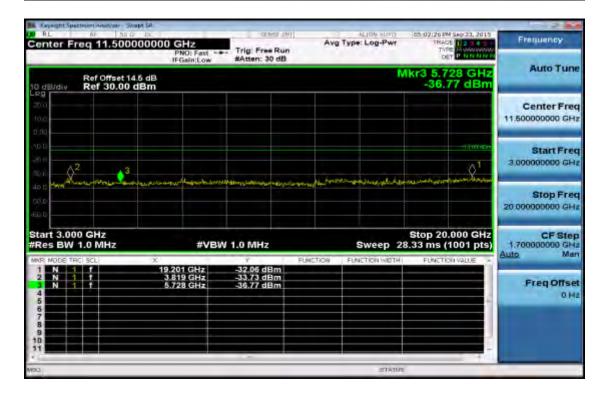


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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Highest

Keynight Spectrum Analyzer - Skept SA					0.2
enter Freq 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	05:02:14 PM Sep 23, 2015 TRACE 1 2 3 4 3 1 TYPE N 000000000 DET P N N N 0000	Frequency
Ref Offset 14.5 dB			Mki	1 1,910 0 GHz 27,17 dBm	Auto Tur
Pg 0.0 0.0			1		Center Fre 1.515000000 GP
pb 6n				4100 KDH	Start Fre 30,000000 Mi
0 0 spyson og far general far som fra som	artya (yenada da	lenen en	the angle of the second se	nga panganang dinang katalan ng ka	Stop Fre 3.00000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz		Stop 3.000 GHz 500 ms (1001 pts)	CF Ste 297.000000 Mi Auto M
WR MODE TRC SCL X 1 N 1 1 3 3 4 5 6 7 8 9 9 0	910 0 GHz	27.17 dBm	ANCTION FUNCTION WOTH	FUNCTION VALUE	Freq Offs 01
3)			STÁTUS	- 11	



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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -1.4MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 5) Channel Highest



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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 2 (QPSK RB Number: 6 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -1.4MHz BW LTE-Band 2 (QPSK RB Number: 6 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals-3MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Keynight Spectrum Analyzer - Skrept SA			A
Center Freq 1.51500000	PNO: Fast Trig: Free Run HEGain:Low #Atten: 30 dB	Avg Type: Log-Pwr TRADE DE LOG-Pwr TRADE DE LOG-Pwr	Frequency
Ref Offset 14.5 dB	Production we count of the	Mkr1 1,850 6 GHz 26,95 dBn	Auto Tune
20.0 10.0		t	Center Free 1.515000000 GH
2,00		-1100 GP	Start Free 30,000000 MH
 40 0	antalasi pangabang na propinsi na pangabéné na pangabéné na pangabéné na pangabéné na pangabéné na pangabéné na	and an and a second	Stop Free 3,00000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Stop 3.000 GH Sweep 3.600 ms (1001 pts	CF Step 297,000000 MH
MRR MODE TRC SCL X. 1 N 1 T 1 2 3 4 5 6 7 8 9 10	1,850 6 GHz 26.95 dBm	ETTON FUNCTION WIDTH FUNCTION VALUE	Freq Offse OH
·	-	STATUS	

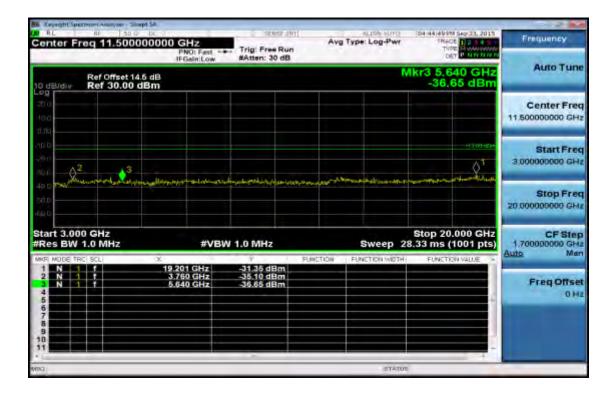
Ruy wight Spectreen Anunyzer - Skrept SA RL N/ SA G DC			ALION AUTO		
enter Freq 11.500000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	04-44:25 PM Sep 23, 2015 TRACE 1/2 3.4 3 T TYPE IN VIOLANT OFT P NIN TANK	Frequency
Ref Offset 14.6 dB			N	1kr3 5.555 GHz -37.35 dBm	Auto Tun
					Center Fre 11.500000000 GH
ρύ Δ23				9101de	Start Fre 3.000000000 GH
0 0 	****	antina antari da fara antari antar	and a second		Stop Fre 20.000000000 GH
tart 3.000 GHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ster 1.70000000 GH Auto Ma
2 N 1 T 3	946 GHz 703 GHz .855 GHz	-31.91 dBm -35.75 dBm -37.35 dBm	INCTION : FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
		-	STATUS		

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Out of Band emission at antenna terminals –3MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Mid

Keynight Spectrum Anunyzer - Swept SA	_		_			10. 10 M
Center Freq 1.515000000	PNO: East	Trig: Free Run #Atten: 30 dB	Avel	ype: Log-Pwr	04:4438 11 Sep 23, 2015 114:00 1 2 3 4 3 11/20 11 00000000 000 9 11 11 100000000	Frequency
Ref Offset 14.5 dB				MK	r1 1,880 3 GHz 26,92 dBm	Auto Tuni
00 20.0 10.0 2130			1			Center Free 1.515000000 GH
100 					-100mBe	Start Free 30,000000 MH
40 0 0 0000000000000000000000000000000	en Carlon Barrow Hallow and H	and the set of the set	ستتردها اسمع	an the second second	الا مي مدينيات الم المين أو المعاليات المراجع على الم	Stop Fre 3.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBW 1	.0 MHz		Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
MR MODE TRC SCL X	880 3 GHz	7 FU 26.92 dBm	NCTION (FUNCTION WIDTH:	FUNCTION VALUE -	CALL INC
2 3 4 5 6 7 7 8 9 9 10						Freq Offse 0 H
()				STATUS		



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Out of Band emission at antenna terminals-3MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0)Channel Highest

River Strate Strate					212 1
enter Freg 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	04-45:039W Sep 23, 2015 TRACE 1 2 3 4 3 1 TVPE Providence OET P Not Ann M	Frequency
Ref Offset 14.5 dB Ref 30.00 dBm			м	kr1 1,907 0 GHz 27,15 dBm	Auto Tun
0.0			1		Center Fre 1.515000000 GF
/10) 00 01				1103.024	Start Fre 30.000000 MH
	an a	4.1845/minter#1/2011-1-19	مريعة بالانبين أحدما	งกระแห้งข้างสาวมากให้ทำให้สุดให้แห่งเหลืองกา	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep	Stop 3.000 GHz 3.600 ms (1001 pts)	CF Ste 297,000000 Mit Auto Mit
	907 0 GHz	27.15 dBm	ACTOR PROCESSION	Policitoritade	Freq Offse 01
6 7 8 9 9					
53			STAT	us .	

enter Freq 11.50000000	LIGN AUTO 04-45:10 M Sep 23, 2015 Log-Pwr TRACE 1 2 5 4 5 5 TYPE 2 OFT Products
dB/div Ref 30.00 dBm	Mkr3 5.726 GHz -35.12 dBm
	Center 11.5000000
	3,0000000
	Сопальных ванебларования полотоницах Stop 20.00000000
art 3.000 GHz Res BW 1.0 MHz	Stop 20.000 GHz Sweep 28.33 ms (1001 pts) CTION WOTH FUNCTION VALUE
R MORE TRC SCL X	Freq (
	etátus

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Band edge emission at antenna terminals –3MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –3MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 14) Channel Highest



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Band edge emission at antenna terminals –3MHz BW LTE-Band 2 (QPSK RB Number: 15 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –3MHz BW LTE-Band 2 (QPSK RB Number: 15 Offset: 0) Channel Highest



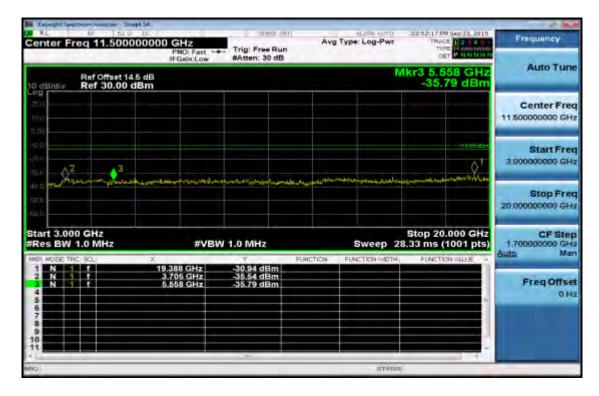
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Out of Band emission at antenna terminals-5MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0)Channel Lowest

Keynight Sp Bi	actriam Anullyzer	- Skwpt SA In G DC	SING DUT	N104 N070	03-52:00 PM Sep 31, 2015	
11.54		000000 GHz PNO: Fast IFGain:Low	Trig: Free Run	Avg Type: Log-Pwr		Frequency
0 dB/div	Ref Offse			Mi	r1 1,850 6 GHz 26,94 dBm	Auto Tun
10.0 10.0						Center Fre 1.515000000 GH
00 00 00					:10) an	Start Fre 30,000000 MH
	والبحمل سالحيات	al de la contra de l	uneranierabeleet valminiset teire	La Long ang the and the second s	parte and a second	Stop Fre 3,00000000 GH
	1.0 MHz	#V	BW 1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 Mr Auto Mr
	RC SOL	× 1,850 6 GHz	26.94 dBm	INCTION FUNCTION WIETH	FUNCTION VALUE	-
2 3 4 5 6 7						Freq Offs 01
8 9 10			-			
80.				STATUS	£	

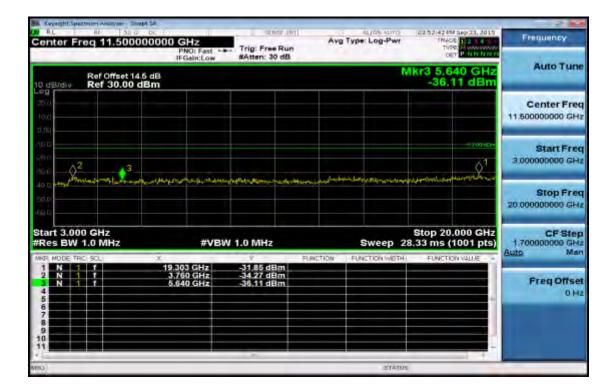


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Out of Band emission at antenna terminals –5MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Mid

Reynight Spectrum Analyzer - Skrept SA RL RF SD C DC		SENSE JAY	ALIGN AUTO	03-52:28 PM Sep 23, 2015	
enter Freg 1.515000000	PNO: Fast -	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TYPE N N N N	Frequency
Ref Offset 14.6 dB			M	kr1 1.877 3 GHz 27.36 dBm	Auto Tun
20 0.0 10					Center Fre 1.515000000 GH
				പ്രത	Start Fre 30,000000 MH
D Specific	ر هندر کر ۱۹۰۰ مانی ^{ول ور} هاه	kanondarikitegi terleni setteri h		nig Ladinghay Plandyngh Ladingh	Stop Fre 3.00000000 GH
art 30 MHz les BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep 3	Stop 3.000 GHz 3.600 ms (1001 pts)	CF Ste 297.000000 Mi Auto Mi
	77 3 GHz	9 FU 27.36 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	CHALK
					Freq Offs 01
			STATU	5	

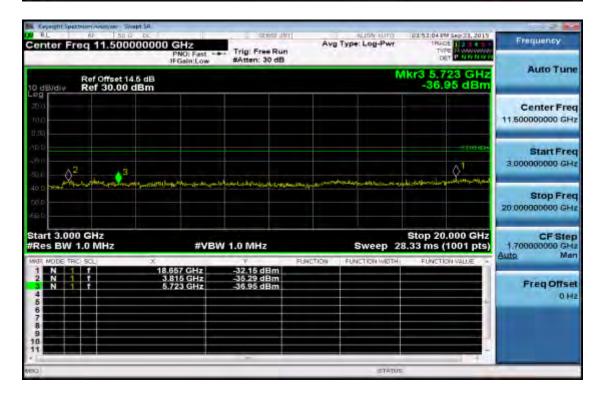


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Out of Band emission at antenna terminals–5MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0)Channel Highest

Keywaght Spectrolm Analyzer - Skept SA				2.2
enter Freg 1.515000000	CH2 PNO: Fast	Avg Type: Log-Pwr	0157:532M SH0 11, 2015 TRACE 1 2 3 4 3 4 TYPE N 00000000 DET P N/N N/011	Frequency
Ref Offset 14.5 dB		Mk	r1 1,907 0 GHz 27.06 dBm	Auto Tun
29 0.0 10				Center Fre 1.515000000 GF
00 01			-1034D4	Start Fre 30,000000 Mi
00	hand to be a second state of the	والمستعدية فالمراه المسترجين والمنتجوم والمناور والمراجع	afafa) ayyonna Afadara (naage	Stop Fre 3,00000000 Gi
tart 30 MHz Res BW 1.0 MHz	#VBW 1.0 MHz		Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 Mit Auto Mit
RR MODE TRC SCL X 1 N 1 f 1.1 3 3 4 5 6 7	907 0 GHz 27.06 dBm	FUNCTION FUNCTION WETH	FUNCTION VALUE >	Freq Offs 01
		státus		



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Band edge emission at antenna terminals –5MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 24) Channel Highest



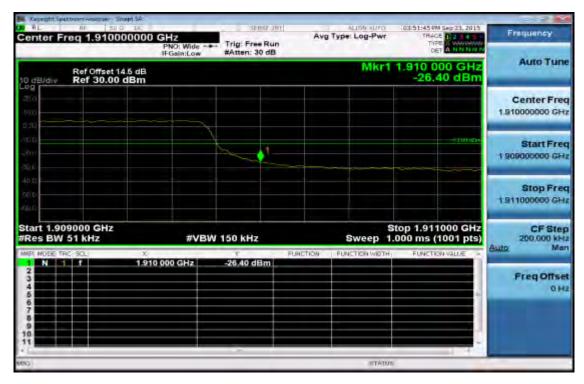
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Band edge emission at antenna terminals –5MHz BW LTE-Band 2 (QPSK RB Number: 25 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 2 (QPSK RB Number: 25 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals–10MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Keynight Sper	etnum Anuf/zer - S/rapt S					13 2 M
10.04	eq 1.5150000		Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	02:38:37 PM Sep 23, 2015 TRACE 1 2 3 4 5 TYPE PLANAGE 1 2 5 TYPE PLANAGE 1 3 5 TYPE TYPE PLANAGE 1 3 5 TYPE TYPE PLANAGE 1 3 5 TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	Frequency
0 dB/div-	Ref Offset 14.5 (Ref 30.00 dB	dB		Mk	r1 1.850 6 GHz 27.06 dBm	Auto Tun
20.0						Center Fre 1.515000000 GH
935) ADD 2001					ரரவ	Start Fre 30.000000 MH
40 D		periodelia de la conservación de	an a	and Constanting and the state of the	adhriad ^{ar} h.D—der e ch ² e-andreae (14	Stop Fre 3.00000000 GH
Start 30 M Res BW	1.0 MHz	-	V 1.0 MHz		Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
2 3 4 5 6 7	Ť	1,850 6 GHz	27.06 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
8 9 10 11			-	STATU		

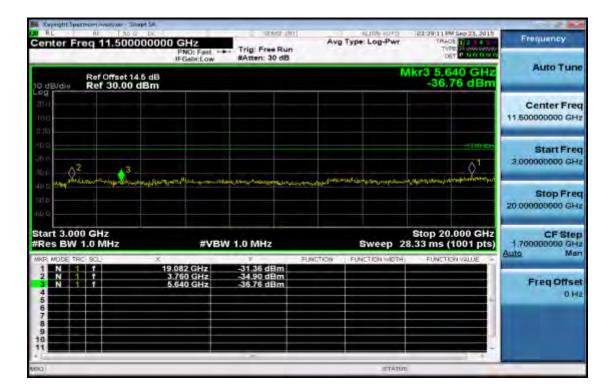
Keyleght Spectrom Analyzer - Skept SA RL RI SD G DC	SENSE JUT	ALTON ADTO	01-18-494W Sep 21, 2015	
enter Freg 11.50000000	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr	THACE I 2 3 4 5 1 THE M WARMANNE CET P N P N P N P	Frequency
Ref Offset 14.6 dB	POSH, DOW WEIGHT OF GD	N	4kr3 5.565 GHz -36.11 dBm	Auto Tun
00 200 100				Center Fre 11.500000000 GH
AZ 3			ettonen ↓	Start Fre 3.000000000 GH
	New Construction of the Co	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		Stop Fre 20.000000000 GH
tart 3.000 GHz Res BW 1.0 MHz	#VBW 1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.70000000 GH Auto Ma
2 N 1 T	5.861 GHz -31.57 dBm 3.710 GHz -36.96 dBm 5.565 GHz -36.11 dBm	UNETION : FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
		STÁTUS	1 4 3	

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Out of Band emission at antenna terminals –10MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Mid

RL AF 50 G DC		SENSE JAM	ALION BUTO	03-38:59 PM Sep 23, 2015	1.2.2.1
enter Freq 1.51500000	PNO: Fast		Avg Type: Log-Pwr		Frequency
Ref Offset 14.5 dB Ref 30.00 dBm			Mk	r1 1.877 3 GHz 27,49 dBm	Auto Tun
00			1		Center Fre 1.515000000 GH
p0 00				41 00 aDe	Start Fre 30,000000 MH
0 0 	unidense unice	an gunder on the second states	ومحصوم ويتعنيني ويعالى ويديني أسيسي	مرحميد بريار ما ما المتصرف الرجيزين ال	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 Mit Auto Mo
KR MODE TRC SOL X	.877 3 GHz	9 FU 27.49 dBm	ACTION FUNCTION WIDTH	FUNCTION VALUE	
3 4 4 5 6 7 8 9 9 0 1 1 1					Freq Offs 01
a)			STATUS	1.4	-

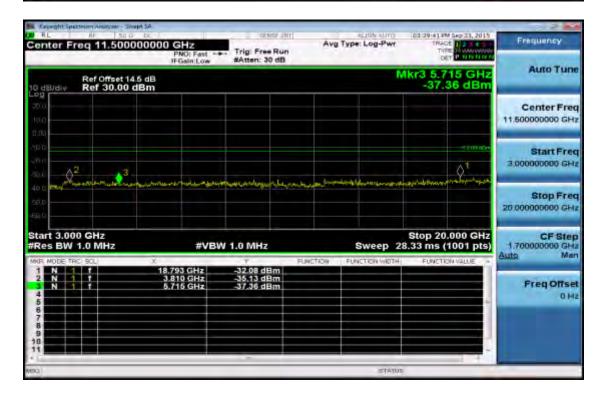


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Out of Band emission at antenna terminals–10MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Highest

Repaidit Spectrum Analyzer - Skrapt SA		SPASE JWY		W IGN AUTO	03-39-30 PM Sep 21, 2015	
enter Freq 1.515000000	GHz PNO: Fast		Ave Typ	se: Log-Pwr	TYPE DET C NIN TYPE	Frequency
Ref Offset 14.5 dB				Mkr	1 1,901 1 GHz 27,41 dBm	Auto Tun
2 9 5.0 9.0			1			Center Fre 1.515000000 GH
00 01					-1103 KD +	Start Fre 30,000000 MH
9.15 Sectore of the sector of	eliyl y r erki mên palêr		and harrise	الله الد واستان همانی در البر ا	i fali in the second	Stop Fre 3.000000000 GH
art 30 MHz Res BW 1.0 MHz	#VBV	1.0 MHz			Stop 3.000 GHz 00 ms (1001 pts)	CF Ste 297.000000 Mit Auto Mo
R MODE TRC SCL X	901 1 GHz	9 FU 27.41 dBm	NCTION FL	INCTION WIDTH	FUNCTION VALUE	
2 3 4 4 5 5 6 7 8					-	Freq Offse 0 F
		-				



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Band edge emission at antenna terminals –10MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –10MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 49) Channel Highest



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Band edge emission at antenna terminals –10MHz BW LTE-Band 2 (QPSK RB Number: 50 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -10MHz BW LTE-Band 2 (QPSK RB Number: 50 Offset: 0) Channel Highest

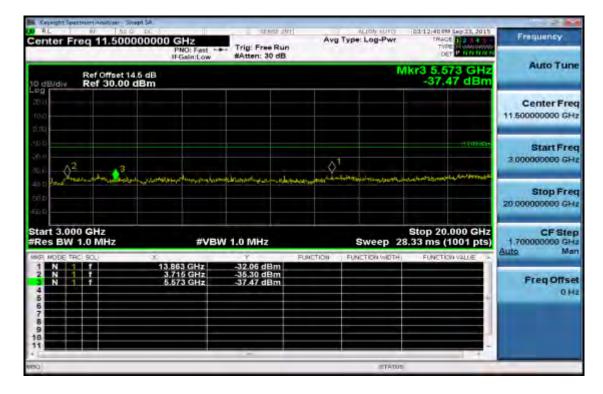


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Out of Band emission at antenna terminals–15MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Keynight Spectrum Analyzer - Skrept SA			And and inclusion of the local division of the	2.2
RL 10 500 00 Center Freq 1.515000000	PNO: Fast Trig: Free Run #Gelin: Jow #Atten: 30 dB	Avg Type: Log-Pwr	0112:20 PM Sep 11, 2015 TRACE 1 2 3 4 9 1 TYPE PLAN AND A	Frequency
Ref Offset 14.6 dB	TP COMPLEX WE COMPLEX OF COMP	Mkr	1,850 6 GHz 27.01 dBm	Auto Tune
20.0 10.0		1		Center Free 1.515000000 GH
200 			9303@P	Start Free 30,000000 MH
	arr finnen sammen en fersten for for for for for standiger for the second second second second second second s	and appropriate the second stands of the second sta	na manana ang ang ang ang ang ang ang ang an	Stop Free 3.00000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz		Stop 3.000 GHz 00 ms (1001 pts)	CF Step 297.000000 MH Auto Mar
MKR MODE TRC SCL X. 1 N 1 1 1. 2 3 4 5 6 7	.850 6 GHz 27.01 dBm	IETION , FUNCTION WIDTH	FUNCTION VALUE ×	Freq Offse 0 H
899910 10 11		enátus		

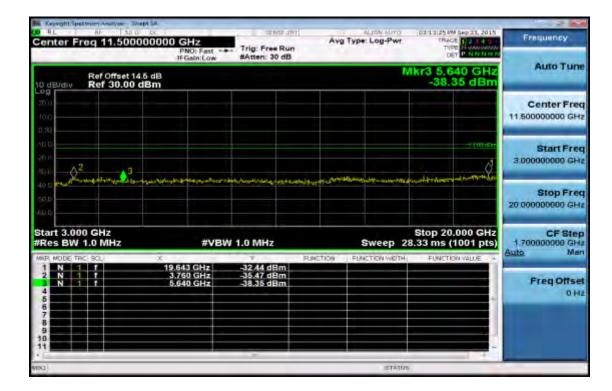


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Out of Band emission at antenna terminals –15MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Mid

Keynight Spectrum Anulyzer - Shiept SA RL R/ Shi G DC		SENSE JWY	4LIG4 4UTO	03-13:099W Sep 31, 2015	
enter Freq 1.515000000	PNO: Fast -	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TYPE NORMAL	Frequency
Ref Offset 14.5 dB			Mi	r1 1.874 4 GHz 27,62 dBm	Auto Tun
00			1		Center Fre 1.515000000 GH
00				-1100 aCm	Start Fre 30.000000 MH
00 <mark>legterede - 21Welen</mark> 00	anin-aaan Panan	datentinatententententententententententententent	alay Marakemanaka Natria (146) (14	4 May 2 (January 16 La Cal Angeler (1997) 1997 1997 1997 1997 1997 1997 199	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
	74 4 GHz	¥ FU 27.62 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE .	Charlos Inte
2 3 4 5 6 6 7				-	Freq Offse
80			STATU	6	

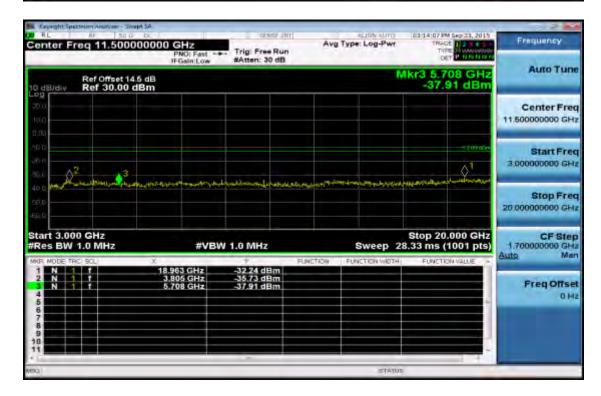


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Out of Band emission at antenna terminals–15MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Highest

Repaight Spectrum Analyzer - Skrapt SA R.C. R/ 150.02 Dc		SENSE OVER	NUON BUTO	03-13:42 PM Sep 23, 2015	
nter Freq 1.515000000	GHz PNO: Fast		Avg Type: Log-Pwr	TRACE 2 2 4 9 TYPE DOCUMENT	Frequency
Ref Offset 14.5 dB			M	kr1 1,895 2 GHz 27,21 dBm	Auto Tur
20 5.0 10			1		Center Fro 1.515000000 GR
				(±034Ωn	Start Fro 30,000000 Mi
0 0 <mark>ala dama debia di ajdan na suma suma dan dan dan dan dan dan dan dan dan da</mark>	in the international state of the		en la la construction de la cons	9-34/may99449944994949494949449494	Stop Fre 3.00000000 Gi
art 30 MHz Res BW 1.0 MHz	#VBV	V 1.0 MHz		Stop 3.000 GHz 3.600 ms (1001 pts)	CF Ste 297,000000 Mi Auto M
R MODE TRC SOL X	895 2 GHz	Υ FL 27.21 dBm	RETION FUNCTION WIDTH	FUNCTION VALUE	Freq Offs
5 6 7 8 9 0 1					
ş].			STATU	5	-



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Band edge emission at antenna terminals –15MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –15MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 74) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –15MHz BW LTE-Band 2 (QPSK RB Number: 75 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –15MHz BW LTE-Band 2 (QPSK RB Number: 75 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals-20MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Reyright Spectrum Analyzer - Skrept SA RL Al 50 C DC	CHIA	SPACE DATE:	Avg Type: Log-Pwr	02-03:42 0W Sep 23, 2015	Frequency
enter Freg 1.515000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	AND TAPE COUT OF	DET P NEW MARK	
Ref Offset 14.5 dB Ref 30.00 dBm			Mkr	1 1.850 6 GHz 27.08 dBm	AutoTun
100 100			1		Center Fre 1.515000000 GH
pip				ചാത	Start Fre 30,000000 MH
00 bilining damp og ander som og 1900	u-fragalanniki secon	autoria de ser antice da esta	and Unarian and a star and a star and	ing an an ann an an ann an an an an an an a	Stop Fre 3,00000000 GH
Start 30 MHz Res BW 1.0 MHz MR MODE TRC SCL X	#VBW	1.0 MHz * Fu	Sweep 3.6	Stop 3.000 GHz 00 ms (1001 pts)	CF Step 297.000000 MH Auto Mar
2 3 4 5 6 7 8 9	860 6 GHz	27.08 dBm		+	Freq Offse 0 H
10 11 52		-	STATUS	1.4	



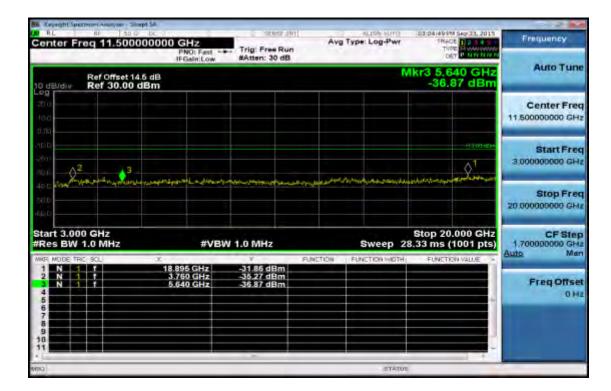
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Out of Band emission at antenna terminals -20MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Mid

RL AF 55 G DC		SENSE JUIT	ALIGN AUTO	03-04:35 PM Sep 23, 2015	
enter Freq 1.515000000	PNO: Fast -	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TYPE DET PINNAL	Frequency
Ref Offset 14.5 dB			Mk	r1 1.871 4 GHz 27.79 dBm	Auto Tun
20 0.0 10					Center Fre 1.515000000 GH
				പതമം	Start Fre 30.000000 MH
0.0 Systematic generation of the system of t	999))), (C. (1995)), (C. (1995)	and the second	age 1 Laserer and the second second		Stop Fre 3.000000000 GH
art 30 MHz Res BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 MH Auto Ma
	71 4 GHz	* FU 27.79 dBm	NCTION FUNCTION WIDTH:	FUNCTION VALUE	CHAIR INC
2 3 4 5 6					Freq Offse
a			STÁTUS		-

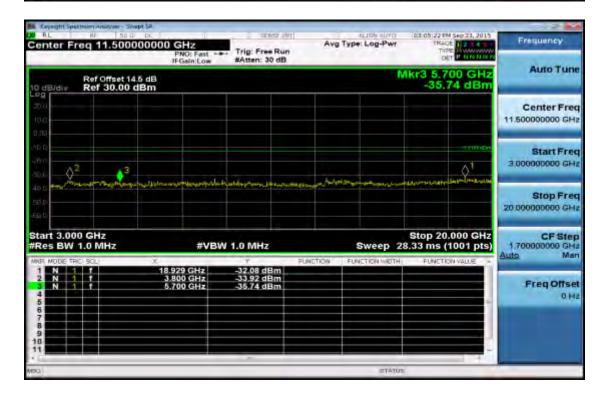


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Out of Band emission at antenna terminals-20MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Highest

Ref Offset 14.5 dB Ref Offset 14.5 dB 0 dB/div Ref 30.00 dBm	GHZ PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg	Type: Log-Pwr	TRACE 1 2 3 4 5 1	Frequency
		HALLEN. JU CID			DET P N PARA	
				Mkr	1 1,892 2 GHz 27,29 dBm	Auto Tun
0.0 1.00						Center Fre 1.515000000 GH
00 00 00 00					-(-{03aDe	Start Fre 30,000000 MH
0 0 <mark>44/10/0000 (000/000/00/00/00/00/00/00/00/00/00/00/0</mark>	inida ang parin	et ooster verdette operatiente	nghud lutur		Tyranad (All Part) (Internet System)	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBI	N 1.0 MHz		Sweep 3.6	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 Mit Auto Mo
R MODE TRC SOL X	892 2 GHz	9 FU 27.29 dBm	INCTION	FUNCTION WIDTH	FUNCTION VALUE	Charly Inter
2 3 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7					-	Freq Offse
				státus		



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Band edge emission at antenna terminals –20MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –20MHz BW LTE-Band 2 (QPSK RB Number: 1 Offset: 99) Channel Highest



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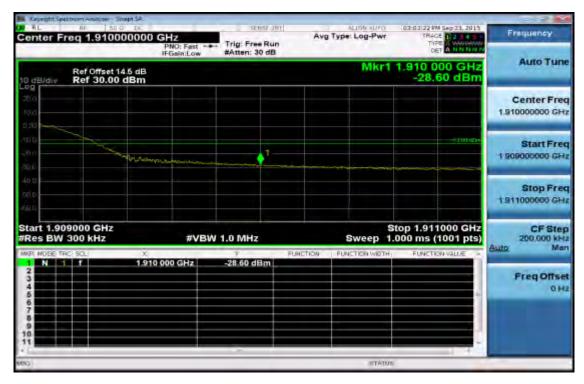
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Band edge emission at antenna terminals –20MHz BW LTE-Band 2 (QPSK RB Number: 100 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -20MHz BW LTE-Band 2 (QPSK RB Number: 100 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

	Anim Animyter - Skript SA		SENSE JAN		-	08-23:29 PM Sep 23, 2015	3.2.8
10.00	eq 1.51500000	PNO: Fast			Type: Log-Pwr	TRACE 2 2 4 9 1 TYPE PLONGAUGUN	Frequency
O dB/div	Ref Offset 14.5 dB Mkr1 1,711 0 GHz 27.86 dBm 27.86 dBm						
10.0				1			Center Fre 1.515000000 GF
8.76) (0.0 (0.0						4100 GR	Start Fre 30,000000 MH
40 0 50 0		ya William ya Mandala mwan	le anter a construction de la const	nd have no	بلاجانيان والمرتجب والمحواصة	an a	Stop Fre 3.00000000 GH
tart 30 Mi Res BW 1	.0 MHz	#VBV	V 1.0 MHz		Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 Mi Auto Mi
N NODE TRC		1.711 0 GHz	27.86 dBm	FUNCTION	FUNCTION WOTH	FUNCTION VALUE	Charles 100
2345678							Freq Offs 01
9					STATUS	-	

Keywortt Spectralm Analyter - Skept SA					10.00
enter Freg 11.500000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	1840E 1 21,50 PM Sep 21, 2015 1840E 1 2 1 4 1 1 TYPE PURCHASE DET PURCHASE	Frequency
Ref Offset 14.5 dB	Auto Tun				
100 100 100					Center Fre 11.500000000 GH
100 (n) (n)				-100 Gr	Start Fre 3.000000000 GH
40.0	en.trilletenter	********	alle and a second s	11.0000/0000000000000000000000000000000	Stop Fre 20 000000000 GH
Start 3.000 GHz Res BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.70000000 GH Auto Ma
2 N 1 f	.285 GHz .421 GHz .132 GHz	-31,74 dBm -39,94 dBm -36,28 dBm	UNICTION : FUNCTION WIDTH	FUNCTION VALUE	Freq Offse
(C)		-	STATU	-	

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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

Keynight Spactnum Analyzer - Skrapt SA						202
enter Freg 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg	Type: Log-Pwr	08:24:11 PM Sep 23, 2015 TRACE 1 2 2 4 3 TYPE PLOTONOMIC DET P NN NUT	Frequency
Ref Offset 14.5 dB				Mk	r1 1.731 8 GHz 27,30 dBm	Auto Tun
00 10.0 110			1			Center Fre 1.515000000 GH
pů (m.					്തമം	Start Fre 30,000000 MH
lo D 20 parameter de construction de la construction de la construcción de la construcción de la construcción de la 20 parameter de la construcción de l	14)	and a second	Aines	alliper and a second	مراجع هندا المحمد مشيا العرب من	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz		Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 MH
KRIMODE TRCI SCL X	731 8 GHz	27.30 dBm	NUTION	FUNCTION WIDTH	FUNCTION VALUE ×	Auto Ma
23456678990011						Freq Offse 0 H
a)				STATUS	-	-

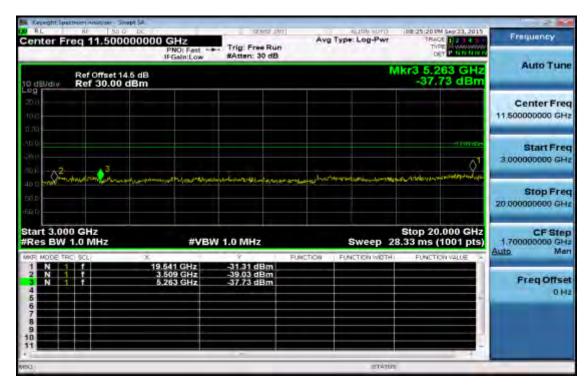
Ruperghit Spectroleri Anunyzer - Skrept RL N/ 50 G		SPRSF di		ALIGN AUTO	08:24(24 PM Sep 23, 20)	5
enter Freq 11.50000	PN0: Fast - IFGain:Low	Trig: Free Run #Atten: 30 dB		Type: Log-Pwr	TYPE PLOTON	
Ref Offset 14.6 Ref 30.00 dE				N	4kr3 5.198 GH -35.50 dBr	Auto Tuni
						Center Free 11.500000000 GH
					-101-e	Start Fre 3.000000000 GH
	^{يى} را-ئە ^ر ەرپەرل ^{ىلى} تۇنىلەردە بەلەمدى.	~*************************************	umu datu birti antina	ana na man' salah salah sa ji	enthinda 3mb/Arrange and	Stop Fre 20.000000000 GH
tart 3.000 GHz Res BW 1.0 MHz	#VB	N 1.0 MHz			Stop 20.000 GH 8.33 ms (1001 pt	
RR MODE TRC SCL	× 19.150 GHz	-31.83 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	-
2 N 1 T N 1 T 4	3.465 GHz 5.198 GHz	-38.18 dBm -35.50 dBm				Freq Offse
8 9 0 1						-
(i)				ETATUS	-	

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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest

Center Freq 1.515000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	08-25:02 5W Sep 11, 2015 TRACE 12 2 4 5 1 TVPE Providence OET P. Northanne	Frequency
Ref Offset 14.6 dB	r1 1,755 6 GHz 26,97 dBm	Auto Tune			
20.0 10.0 1.0					Center Free 1.515000000 GH
400 200				9400 cDr	Start Free 30.000000 MH
40 D Sector of Control Control 50 D 60 D	ango yang mangang ang ang ang ang ang ang ang ang a	and approved the planes	han north an Iran and the	inition of the state of the sta	Stop Free 3,00000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 MHz		Stop 3.000 GHz 600 ms (1001 pts)	CF Step 297,000000 MH Auto Ma
MAR NODE TRC SCL X 1 N 1 1 2 3 4 5 6 7 8 9 10 11	.755 6 GHz	25.97.dBm	INCTION : FUNCTION WOTH	FUNCTION VALUE	Freq Offse OH
N3)		-	STATUS		_



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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -1.4MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 5) Channel Highest



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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 4 (QPSK RB Number: 6 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -1.4MHz BW LTE-Band 4 (QPSK RB Number: 6 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Out of Band emission at antenna terminals-3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

enter F	reg 1.5150	000000 GHz	D: Fast	Trig: Free		Ave	Type: Log-Pwr	07:42:55 PM Sep 23, 20 TRADE 2 2 4 TYPE N COMP	Frequency
0 dB/div	Ref Offset	14.5 dB	in:Low	#Atten: 30	dB		Mk	r1 1.711 0 GH 28.04 dB	Auto Tun
20.0 10.0						1			Center Fre 1.515000000 GH
136) (0 0) (1 11) (1 11)									Start Fre
10 D 0-	الملاد معالمي وما ومراقى		den mer te samt te	eawietentosent	-			and the second	Stop Fre
									3,000000000 GH
tart 30 l Res BW	1.0 MHz		#VBW	1.0 MHz				Stop 3.000 Gł .600 ms (1001 pł	3.00000000 GH Iz CF Ste S) 297.00000 MH Auto Ma
tart 30 f Res BW	1.0 MHz	× 1.711 D		1.0 MHz 28.04 dB		WCTION:	Sweep 3	Stop 3.000 Gł 600 ms (1001 pł FUNCTION VALUE	z CF Ste s) 297.000000 MH

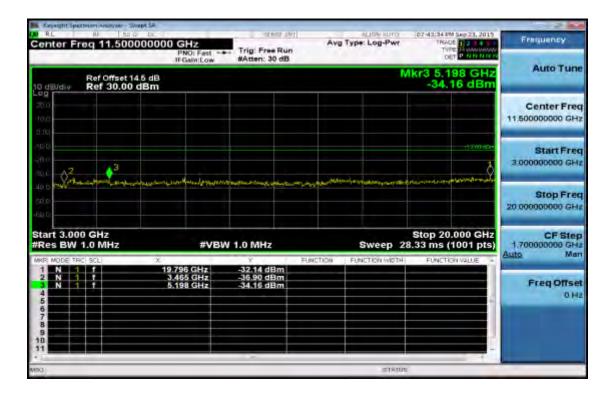
Keywohlt Spectreim Anuryzer - Skrept SA RL N/ 50 G DC	Intergence	ALIGN AUTO (07-42:07 PM Sep 23, 2015	
enter Freq 11.50000000		Avg Type: Log-Pwr TRACE D 3 1 2 1	Frequency
Ref Offset 14.5 dB	Auto Tun		
200 100			Center Fre 11.500000000 GH
			Start Fre 3.000000000 GH
40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	geleg Perlanis Angleines I etti sayin. Neg ya maka kasisana	and the second and a second and the second	Stop Fre 20 00000000 GH
start 3.000 GHz Res BW 1.0 MHz	#VBW 1.0 MHz	Stop 20.000 GHz Sweep 28.33 ms (1001 pts)	CF Ste 1.70000000 GH Auto Ma
2 N 1 T	Full 8.844 GHz31.64 dBm 3.423 GHz38.18 dBm 5.135 GHz36.06 dBm	CTION FUNCTION WIDTH FUNCTION VALUE +	Freq Offse
N3)		STATUS	

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Out of Band emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

RL N/ Starts DC		SENSE JUT	_	ALIGN AUTO	07:43:21 PM Sep 23, 2015	133 M
enter Freq 1.515000000	GHz PNO: Fast	and the state	Ave	Type: Log-Pwr		Frequency
Ref Offset 14.5 dB Ref 30.00 dBm	B/div Ref 30.00 dBm 27,60 dBm					
20.0 10.0 15.0			1			Center Fre 1.515000000 GH
μού					ാരമം	Start Fre 30,00000 MH
lo D seete (nymerod start professor) 20 p		negosaries (n. ⁶ -519)	Historia	ng kalangan pangang kanang pang pang pang pang pang pang pang	مىچەرىدارلەلى مىسى ^م اھتىلارمايى _{مە} يەرىدى	Stop Fre 3.00000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	/ 1.0 MHz		Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
KRI MODE TRCI SCL X	731 8 GHz	27.60 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE ×	E Martin
2 3 4 5 6 7 8 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						Freq Offse 0 H
0				STATUS		

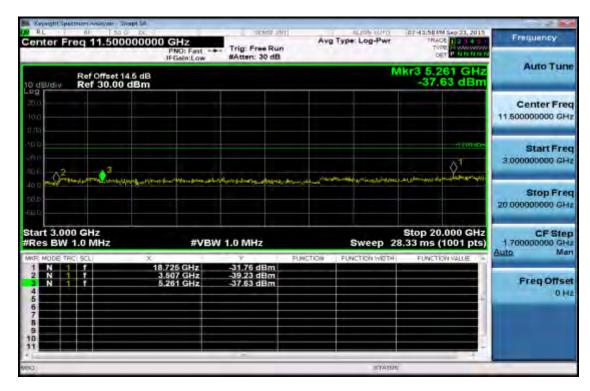


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Out of Band emission at antenna terminals-3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0)Channel Highest

enter Freq 1.515000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	07:43:485% Sep 23, 2015 TRACE 1 2 3 4 5 TYPE Processory OET P. No. 10000	Frequency
Ref Offset 14.6 dB Ref 30.00 dBm			MK	1 1.752 6 GHz 27.77 dBm	Auto Tuni
20.0 10.0 6.00					Center Fre 1.515000000 GH
100				1103 cDr	Start Fre 30,000000 MH
	11. merlen zu den son d	un province and province of	and the second second	nghang provide bayangan provide di	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
	752 6 GHz	27.77 dBm			Freq Offse 0 H
		-	STÁTUS		



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Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 14) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 15 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –3MHz BW LTE-Band 4 (QPSK RB Number: 15 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals-5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0)Channel Lowest

RL	Arunyter - 3	G DC	SPACE IN	T .	ALIGN AUTO	07:24:43 PM Sep 23, 2015	
enter F	reg 1.5150	PNO: Fast IFGain:Low	** Trig: Free Run #Atten: 30 dB		g Type: Log-Pwr	TYPE Protection	1
0 dB/div							Auto Tun
10.0							Center Fre 1.515000000 GH
136 16 6						1103430	Start Fre 30,000000 MH
00 00 000000 000		مەجىلەت بېرىمى مەنتىك بولىپى	alar an	in him was	يوسكريون الأليان مواشعينيان والرواب عمر المراجع المراجع	يوم يەلۇغھەلىدەكتە ^ن ئىنچىكارىسىرالىمى	Stop Fre 3.00000000 GH
tart 30 M Res BW	/Hz 1.0 MHz	#VE	W 1.0 MHz		Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 Mit Auto Mit
NR MODE TR		× 1.711 0 GHz	28.12 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE ×	- Suto Int
2345678							Freq Offs 01
9					státus	-	

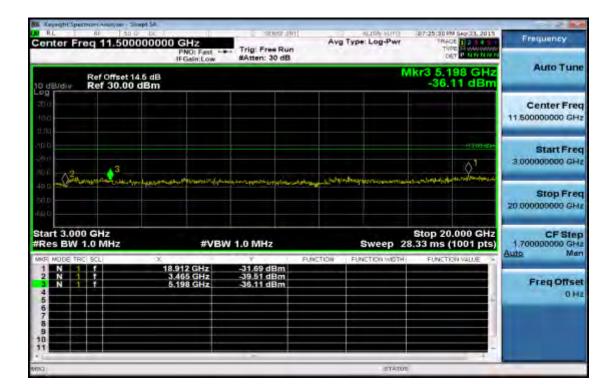
Keyeight Spectrum Analyzer - Skept SA	_				10.00
Center Freq 11.50000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	07:34:53 PM 5+0 33, 2015 TRADE 1, 2, 3, 4, 9, 9 TVPE N 000000000 DET 7, N 10, 10, 10, 10	Frequency
Ref Offset 14.5 dB	Auto Tun				
200 100 100					Center Fre 11.500000000 GH
100 101 102 3				100 cos	Start Fre 3.000000000 GH
40 0 400 400 400 400 400 400 400 400 40	ىر زىرىيە 11- ئى سىلارا بەللار يەللەر	heishan Merindika karan dan s	ing any one of the second s	left-wigation of an international sectors.	Stop Fre 20.00000000 GH
Start 3.000 GHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.70000000 GH Auto Ma
2 N 1 T	992 GHz 3425 GHz 5.138 GHz	-31.07 dBm -38.40 dBm -36.93 dBm	INCTION : FUNCTION WOTH	FUNCTION VALUE	Freq Offse
			STATU		

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Out of Band emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

Keynight Spectrum Anunyter - Skrept SA		and the second second		The second second second	
Center Freq 1.515000000	PNO: Fast Irig:	AFree Run h: 30 dB	vg Type: Log-Pwr	07/24:43 PM Sep 23, 2015 TRACE 1 2 3 4 3 TYPE N MOMMONY OET P NN MINT	Frequency
Ref Offset 14.5 dB	Auto Tun				
- 00 20.0 10.0 2.50		1			Center Fre 1.515000000 GH
166 1911				(10) aDe	Start Fre 30,000000 MH
40 0 	8. may 19. may 19. and 19. and 19. a de	and the second	and the second	ىيىرى بەتۇرىيە مايىرىكەن ⁽ لىنان تەرىپارلىقىن	Stop Fre 3.00000000 GH
start 30 MHz Res BW 1.0 MHz	#VBW 1.0 M	Hz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 Mit Auto Mit
NR MODE TRO SOL X	711 0 GHz 28.1	FLINCTION 2 dBm	FUNCTION WIDTH	FUNCTION VALUE .	COMER 100
2 3 4 5 6 7 8 9 10					Freq Offse
83			STATUS	1	-

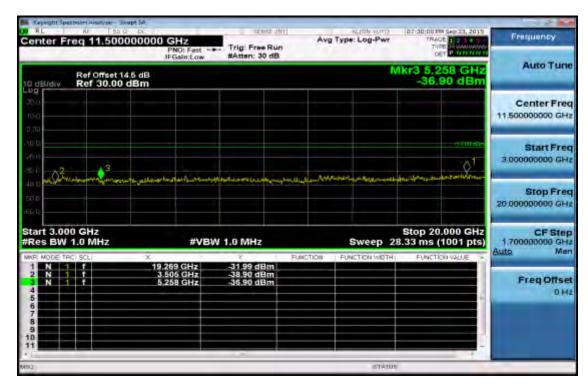


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Out of Band emission at antenna terminals–5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0)Channel Highest

RL AP Solo DC Center Freq 1.51500000	0 GHz PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr	07:29:40 FM Sep 23, 2015 TRACE 1 2 3 4 5 1 TYPE IN COMMANY OFT P IN REMARK	Frequency
Ref Offset 14.5 dB Ref 30.00 dBm		HICKNEY, OF OLD	M	kr1 1,749 6 GHz 27.70 dBm	Auto Tun
10 0					Center Fre 1.515000000 GH
100				-100 GA	Start Fre 30,000000 Mil
40 0 pa_{lan}nan an 	uman an a		**************************************		Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep :	Stop 3.000 GHz 3.600 ms (1001 pts)	CF Ste 297,000000 MH Auto Ma
	1.749 6 GHz	27.70 dBm			Freq Offse 0 H
			STAT	15	



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Band edge emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 24) Channel Highest



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Band edge emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 25 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 4 (QPSK RB Number: 25 Offset: 0) Channel Highest

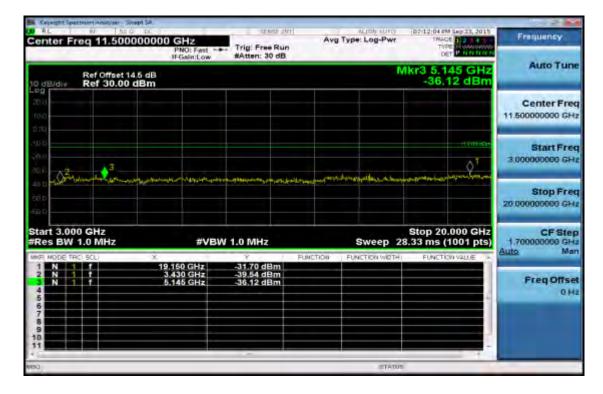


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Out of Band emission at antenna terminals–10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

RI III	ver - Swept SA	SENSE OF		ALIGN BUTG	07-11:53 W Sep 23, 2015		
Center Freq 1.5	15000000 GHz PNO: Fast IFGain:Low			Type: Log-Pwr	THE THE THE	1	
10 dB/div Ref 3	/set 14.5 dB 0.00 dBm			MK	r1 1.711 0 GHz 27.99 dBm	Auto Tun	
20.0			1			Center Fre 1.515000000 GH	
1,00 400 200					1100 dae	Start Fre 30,00000 MH	
40 0 0 0000000000000000000000000000000	an a	ywo anga sonia ng sapading Wor	and the contractions	المية المزيلي جديد أمريكم	ويستر والإنتياء ليلافه والمراد والتريين الملائمي	Stop Fre 3,00000000 GH	
Start 30 MHz #Res BW 1.0 MH	z #VE	3W 1.0 MHz		Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma	
MR MODE TRO SCL	× 1.711 0 GHz	27.99 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma	
2 3 4 5 6					-	Freq Offse 0 H	
7 8							

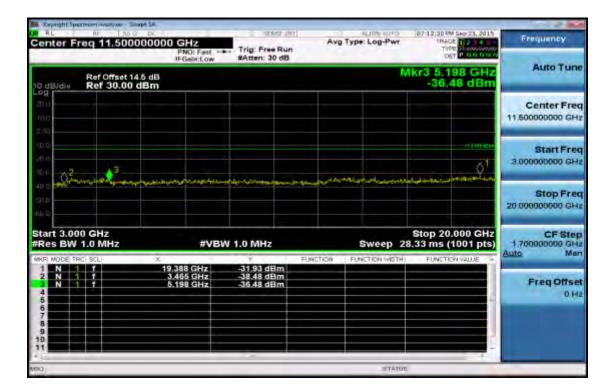


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Out of Band emission at antenna terminals –10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

Keynight Spectrum Analyzer - Skrapt SA						10.2
Center Freg 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Ave	g Type: Log-Pwr	07:12:17 PM Sep 23, 2015 TRACE 1 2 3 4 3 TYPE PL 000000000 OET P NN NO 2	Frequency
Ref Offset 14.5 dB				Mk	r1 1.728 8 GHz 27.38 dBm	Auto Tun
20.0 10.0 10.0			1			Center Fre 1.515000000 GH
900					9100 Gr	Start Fre 30,00000 MH
	Merridaden australiade service	inerenteritarhisterien)	my lune to a	an a	لية مهيدان وله مهمين ول	Stop Fre 3.00000000 GH
start 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz			Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
MR MODE TRC SCL X 1 N 1 1 1 2 3 4 5 5 6 7 8 9 9 10	728 8 GHz	27.38 dBm	FUNCTION	FUNCTION (WOTH)	FUNCTION VALUE	Freq Offse OF
				STATUS	-	

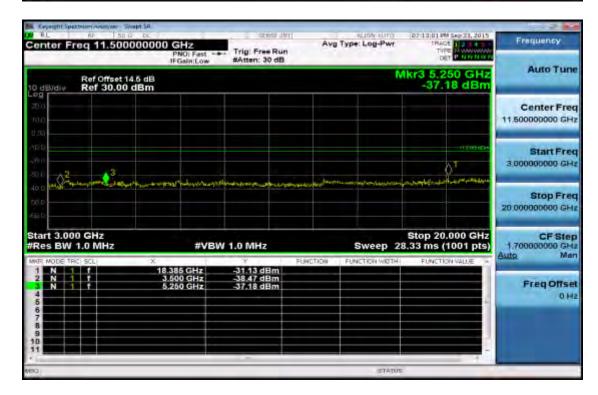


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Out of Band emission at antenna terminals–10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest

Keynight Spectrum Analyzer - Skript SA		NU04 NUTO (07:12:50 PM Sep 21, 2015	212
enter Freq 1.515000000	CHZ PNO: Fest Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Type: Log-Pwr TRACE TYPE: Log-Pwr TRACE TYPE: Log-Pwr TRACE TYPE: Log-Pwr Trace Type: Log-Pwr Ty	Frequency
Ref Offset 14.5 dB		Mkr1 1,746 7 GHz 28,09 dBm	Auto Tun
20 0.0 10			Center Fre 1.515000000 GH
		5(0) Ce	Start Fre 30,000000 MH
	unnahmalana ana ang kang kang kang kang kang kan	n In a second particular and a second s	Stop Fre 3,00000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW 1.0 MHz	Stop 3.000 GHz Sweep 3.600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
	746 7 GHz 28.09 dBm	COLONNY PORCHONINGIN PORCHONINGCE	Freq Offse 0 H
6 7 8 9 0			
a)	-	STATUS	



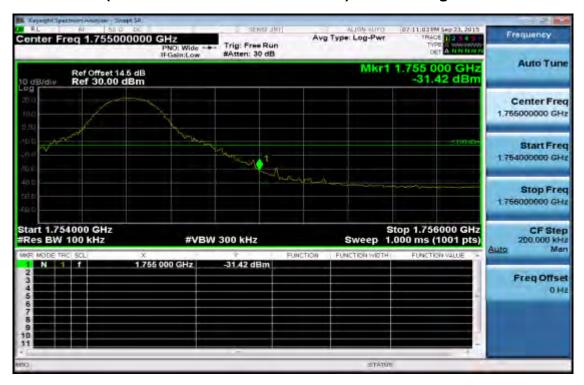
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Band edge emission at antenna terminals –10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -10MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 49) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –10MHz BW LTE-Band 4 (QPSK RB Number: 50 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -10MHz BW LTE-Band 4 (QPSK RB Number: 50 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals–15MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Rugeright Spectrum Analyzer - Skept SA RU RA Su Gr DC		SENSE OF		ALIGN BUTG	(05:40:10 PM Sep 23, 2015	
enter Freq 1.51500000	GHz PNO: Fast		A	vg Type: Log-Pwr	TRACE 123401	Frequency
Ref Offset 14.5 dB				MK	r1 1.711 0 GHz 27.78 dBm	Auto Tun
20 0.0 100			1			Center Fre 1.515000000 GH
					1100 die	Start Fre 30.000000 MH
n on of the second seco	ne little efjelen i nes die	augiterina and from	ad known	مىزىمى يەرىپىلىدۇر يەرىپىرىنىيە 	an Latina (Latin (Latin), and a star (Latin), a	Stop Fre 3.00000000 GH
art 30 MHz les BW 1.0 MHz	#VBW	/ 1.0 MHz		Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 Mit
R MODE TRC SCL X	711 0 GHz	27.78 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE -	Auto Me
						Freq Offse

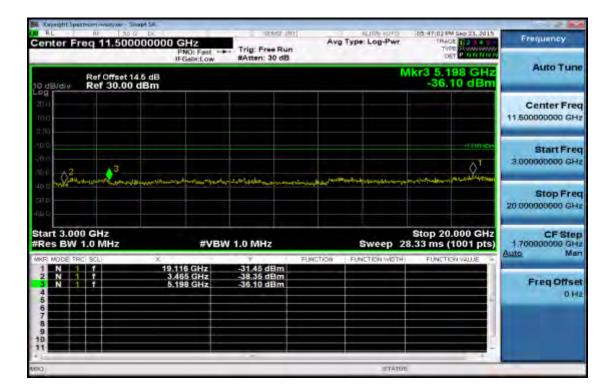
Keyeght Spectrem Analyzer - Skept SA					19 9 M
Center Freg 11.50000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	C8:46:23 PM Sep 23, 2015 TRACE 1 2 3 4 3 1 TYPE PLOTONOMIC OET PLNIN MULTI	Frequency
Ref Offset 14.6 dB Ref 30.00 dBm			1	/lkr3 5.153 GHz -36.72 dBm	Auto Tune
20.0 10.0					Center Free 11.500000000 GH
.100			and best of a second	1100-de	Start Free 3,000000000 GH
40 0 соб	ding) an si kapi (suba).	9/10-10/00/-00/10/00/-00/100 9/10-10/-00/-00/-00/-00/-00/-00/-00/-00/-	ant the survey of south and the second		Stop Free 20 000000000 GH
Start 3.000 GHz #Res BW 1.0 MHz	#VBW	1.0 MHz		Stop 20.000 GHz 8.33 ms (1001 pts)	CF Step 1.700000000 GH Auto Mar
2 N 1 T	8.945 GHz 3.435 GHz 5.153 GHz	-32.39 dBm -39.02 dBm -36.72 dBm	FUNCTION FUNCTION WOTH	FUNCTION VALUE	Freq Offse 0 H
*			STATU	5	

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Out of Band emission at antenna terminals –15MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

RL N/ Sheet SA		SENSE OF	and the second	W ION AUTO	(05:40:41 PM Sep 23, 2015	
enter Freq 1.515000000	GHz PNO: Fast		Av	g Type: Log-Pwr	TRACE 2 2 4 4 1 TYPE IN WARNING TO DET P NN NUT	Frequency
Ref Offset 14.5 dB Ref 30.00 dBm				Mk	r1 1,725 9 GHz 27,64 dBm	Auto Tun
Pg 10.0			1			Center Fre
ρύ					്വതം	Start Fre 30,000000 MH
0 0 0000000000000000000000000000000000	Salari (Shanni) Salari		بعروضيهما أروس	فاستراجبون ليحتفا ومسيران وماجين	المتالي زيد برمنط <mark>المسمولي ويتصور</mark>	Stop Fre 3.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBV	V 1.0 MHz		Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 Mit Auto Mo
WR MODE TRC SCL X	725 9 GHz	27.64 dBm	FUNCTION	FUNCTION WOTH	FUNCTION VALUE	Freq Offs 01
				STATUS		

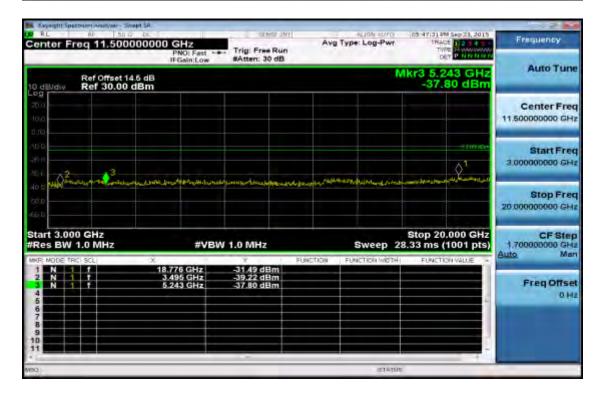


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Out of Band emission at antenna terminals-15MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest

RL (0) 100 00 Center Freq 1.515000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	165:47:20 PM Sep 23, 2015 TRACE 1 2 4 4 TYPE NUMBER OF TRACE	Frequency
Ref Offset 14.6 dB	H GUMLEON		Mk	r1 1.740 7 GHz 27.96 dBm	Auto Tun
20.0 10.0 1.00			1		Center Fre 1.515000000 GH
100 100			Y	1.503 KD P	Start Fre 30.000000 MH
	ajahaharan da sama sa	animine a primine	Lander and the state of	arden de norden da da fel da angele en estaren	Stop Fre 3.000000000 GH
Res BW 1.0 MHz	#VBW	/ 1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297.000000 Mr Auto Ma
1 N 1 7 1 2 3 4 5	.740 7 GHz	27.96 dBm			Freq Offse
6 7 8 9 9 0 0					
sa)			STATO		



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Band edge emission at antenna terminals –15MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –15MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 74) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –15MHz BW LTE-Band 4 (QPSK RB Number: 75 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –15MHz BW LTE-Band 4 (QPSK RB Number: 75 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Out of Band emission at antenna terminals-20MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest

enter Freq 1.515000000	GHZ PNO: Fast	Trig: Free Run	Avg	Type: Log-Pwr	ICO 10:04 PM Sep 21, 2015 TRADE 1 2 3 4 9 TyPE IN commune OFT P 11 1	Frequency
Ref Offset 14.5 dB Ref 30.00 dBm	IFGain:Low	#Atten: 30 dB		Mkr	1 1.711 0 GHz 27.82 dBm	Auto Tur
00			1			Center Fr 1.515000000 GI
00 00 00					(10) dDe	Start Fr 30,000000 Mi
0 0 <mark></mark>	internationalista		Mericana.		an a	Stop Fr 3.000000000 G
tart 30 MHz Res BW 1.0 MHz KR MODE TRCI SCLI X			FUNCTION	Sweep 3.6	Stop 3.000 GHz 00 ms (1001 pts) FUNCTION VALUE	CF Sto 297,000000 M Auto M
1 N 1 f 12 2 3 4 5 6 7 8 9 9	711 0 GHz	27.82 dBm			-	Freq Offs 01
				STÁTUS	- 13	

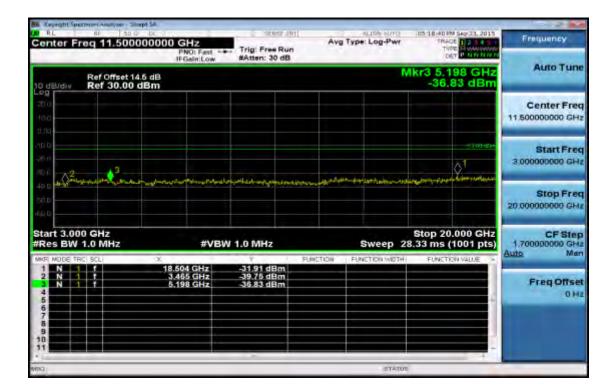
Keynight Spectrum Analyzer - Skept SA				The second second second second second	
Center Freq 11.50000000	PNO: Fast Trig	Average diver	g Type: Log-Pwr	TRADE 1 2 4 4 1 TRADE 1 2 4 4 1 TYPE Noncommon	Frequency
Ref Offset 14.5 dB 10 dB/div Ref 30.00 dBm	IFGain:Low #Att	en: 30 0B	M	kr3 5.160 GHz -36.91 dBm	Auto Tune
2000					Center Fred 11.500000000 GH;
лро Эпп 1910				100 Geo	Start Free 3,000000000 GH
40 0 000 000 000 000 000 000 000 000 00	and a second	1997 - 1997 -	**************************************	And Control of the Annual States of the Annual Stat	Stop Free 20 000000000 GH
Start 3.000 GHz #Res BW 1.0 MHz	#VBW 1.0 M	ЛНz		Stop 20.000 GHz .33 ms (1001 pts)	CF Step 1.700000000 GH
2 N 1 T	3.440 GHz -39.9	FUNCTION 76 dBm 91 dBm	FUNCTION WIETH	FUNCTION VALUE	Freq Offset 0 Hi
e cen			STATUS		

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Out of Band emission at antenna terminals -20MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Mid

RL AP Shipe DC		SENS	e-iteri	ALIGN AUTO	05:18:29 PM Sep 23, 2015	
enter Freq 1.515000000	GHz PNO: Fast IFGain:Low		Run	vg Type: Log-Pwr		Frequency
Ref Offset 14.5 dB dB/div Ref 30.00 dBm				MK	1 1,722 9 GHz 27,68 dBm	Auto Tur
						Center Fr 1.515000000 G
					(10) an	Start Fro 30,000000 Mi
0 0 <mark></mark>		and the second	same anger	مىنىيەتلەتلەر بىلىغ تىرەمىرى _ت ى	and and a second se	Stop Fr 3.000000000 Gi
tart 30 MHz Res BW 1.0 MHz	#VB	W 1.0 MHz		Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 M Auto M
	722 9 GHz	27.68 dBr	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE +	Estato In
2 3 4 5 5 6 7 8						Freq Offs 0
9						

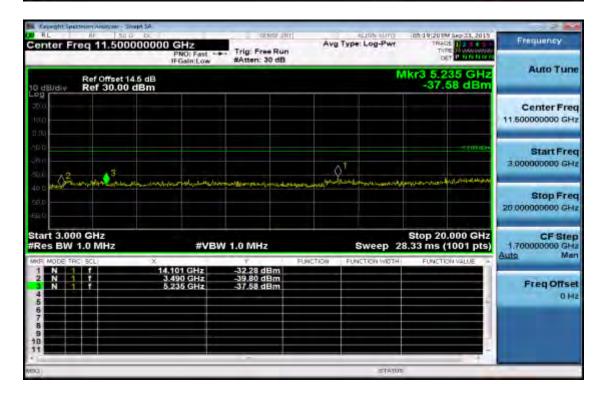


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Out of Band emission at antenna terminals-20MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Highest

Keynight Spectrum Analyzer - Skrept SA						
enter Freg 1.515000000	GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type:		5:19:07 PM Sep 23, 2015 TRADE 2 3 4 3 TYPE N WARKWARK OET P N/N M M	Frequency
Ref Offset 14.5 dB				Mkr1	1,737 8 GHz 28.02 dBm	Auto Tuni
			3			Center Fre 1.515000000 GH
ра фи					⊴100kDe	Start Fre 30,000000 MH
	ayon ng Gang G	an a	The man and a		nder-owner and the second s	Stop Fre 3.00000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz		weep 3.60	Stop 3.000 GHz 0 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
NORE TRC:SCI X 1 N 1 1 2 3 1 1 3 4 5 6 6 7 8 9 9 9 9 1	737 8 GHz	28.02 dBm	UNCTION FUNC	TION WIDTH	FLANCTION VALUE	Freq Offse
3				STATUS		



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Band edge emission at antenna terminals –20MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -20MHz BW LTE-Band 4 (QPSK RB Number: 1 Offset: 99) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –20MHz BW LTE-Band 4 (QPSK RB Number: 100 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -20MHz BW LTE-Band 4 (QPSK RB Number: 100 Offset: 0) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Lowest

BE Keynight Spectralmi Anunyter -					,
Center Freq 1.515	000000 GHz PN0: Fest	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	09:09:47 PM Sep 23, 2015 TRACE 1 2 3 4 5 TYPE NUMBER OF PLAN MARK	Frequency
10 dB/div Ref Offset	14.8 dB		Mk	-35.16 dBm	Auto Tune
2000	-1				Center Fred 1.515000000 GH:
400 -400 -400		A2		-1(0)4DA	Start Free 30.000000 MHz
40 0	hand and a second s	and the second of the second	and a second	degelande por sidenia da resulta ej populario e	Stop Free 3.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VB	V 1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Step 297.000000 MH
MMR MDDE TRC: SCL 1 N 3 T 2 N 1 T 3 N 1 T 4 5 6 7 8 9	× 826.0 MHz 1.649 4 GHz 2.474 1 GHz	* FU 27.70 dBm -38.01 dBm -35.16 dBm	NETION : FUNCTION WOTH	FUNCTION VALUE	<u>Auto</u> Mer Freq Offse 0 Hi
10 11			STATUS	-	

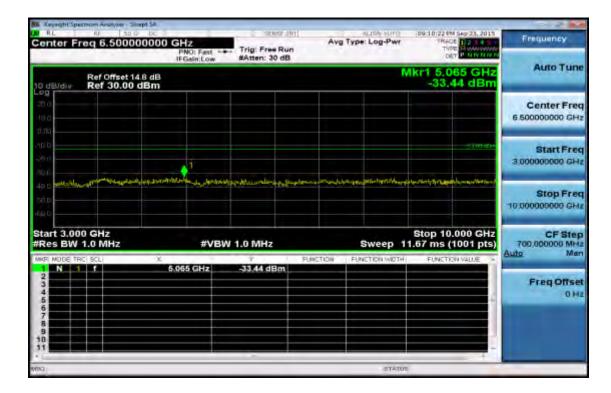
Reynight Spectrum Anulyzer - Skript SA					2.2
enter Freq 6.500000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	09:09:587M Sep 23, 2015 TRACE 1 2 3 4 3 TYPE IN VIOLINI DET P N.N.N.M.	Frequency
Ref Offset 14.8 dB Ref 30.00 dBm			N	/kr1 4.960 GHz -32.83 dBm	Auto Tun
1100					Center Fre 6 500000000 GH
00	▲ 1			-11074De	Start Fre 3.000000000 GH
0 1 delastinader ^{dense} rfastinaderatin 6 0	Carlos and the second	ornovari-r-adams	Anthony the Index of States of the	an a	Stop Fre 10.00000000 GH
tart 3.000 GHz Res BW 1.0 MHz	#VBW	/ 1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Ste 700.000000 Mit Auto Mo
MR MODE TRC SCL X	4.960 GHz	Y PL -32.83 dBm	INCTION FUNCTION WOTH	FUNCTION VALUE	Freq Offse
2)		-	STATU		

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Out of Band emission at antenna terminals –1.4MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Mid

Repergent Spectralmin Anualyzer - Silvept SA RL N/ 550 G DC		SPRSP JWT	ALTON AUTO	09-10:12 PM Sep 23, 2015	
enter Freq 1.515000000	GHz PNO: Fast	and the state	Avg Type: Log-Pwr	TRACE 1 2 1 4 1 TYPE NUMBER	Frequency
Ref Offset 14.8 dB			MK	r3 2,509 5 GHz -35,03 dBm	Auto Tun
200 100 100	11				Center Fre 1.515000000 GH
2010 2011		^2	الإور ومرادي ومرادي ومرد المرد ومرد والمرد ومرد والمرد ومرد والمرد ومرد والمرد ومرد والمرد ومرد والمرد ومرد وال	3 (10) 401	Start Fre 30,000000 MH
40.0	d fortes de la regione de la	en finnessen der in tradision	القصري ومركبهم والمستعلم والمستعلم والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة		Stop Fre 3.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBV	/ 1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 MH
WRI MODE TROUSCL) X			INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
2 N 1 f 1.	837.8 MHz 573.0 GHz 509.5 GHz	27.92 dBm -37.78 dBm -36.03 dBm			Freq Offse
6 7 8 9 10					
53			STÁTUS		-

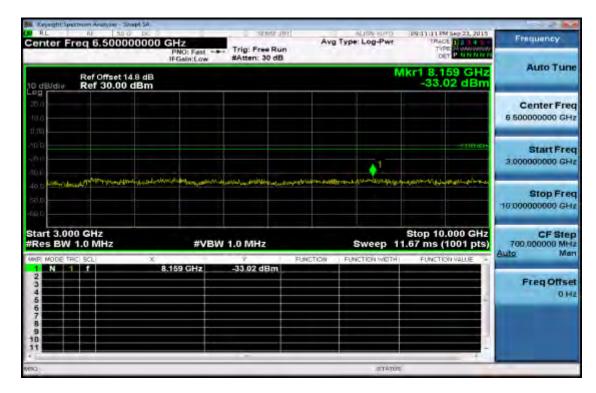


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Out of Band emission at antenna terminals-1.4MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Highest

Keyenghit Spectrolm Analyzer - Skrept SA	-			and the second second second			
Center Freq 1.515000000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 12 3 4 3 1 TRACE 12 3 4 3 1 TYPE N MOMMANY OET P NN NN 1	Frequency		
Ref Offset 14.8 dB Ref 30.00 dBm	Ref Offset 14.8 dB MKr3 2,544 9 GHz						
00 200 100	+1				Center Free 1.515000000 GH		
100 200		ui i i gang awan dan		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Start Free 30,000000 MH		
40 D 44-00-000 000 000 000 000 000 000 000 0		n hill an	alaunaun Hanfanlandu, mistri		Stop Free 3.000000000 GH		
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Step 297.000000 MH Auto Mar		
1 N 1 f 2 N 1 T 1	846.8 MHz .696.6 GHz .644.9 GHz	27.04 dBm -37.20 dBm -34.13 dBm			Freq Offse 0H		
, ca			STATU				



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Band edge emission at antenna terminals –1.4MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -1.4MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 5) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –1.4MHz BW LTE-Band 5 (QPSK RB Number: 6 Offset: 0) Channel Lowest



Band edge emission at antenna terminals -1.4MHz BW LTE-Band 5 (QPSK RB Number: 6 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals-3MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Key eight Spectrum Anulyzer - Skrept SA					12.22	
Center Freq 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	08:53:57 PM Sep 23, 2015 TRACE 1 2 3 4 3 TYPE PLOTE 1	Frequency	
Ref Offset 14.8 dB	Ref Offset 14.8 dB Mkr3 2.476 5 G					
200	*1				Center Free 1.515000000 GH	
		A2		1100 601	Start Free 30.000000 MH	
40 0 400000000000000000000000000000000	1072 Annotaer frintig	man providence	and the second sec		Stop Free 3.000000000 GH	
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Step 297.000000 MH	
2 N 1 T 1.0 3 N 1 T 2.4	826.0 MHz 551 0 GHz 476 5 GHz	27.85 dBm -38.75 dBm -35.61 dBm	NETION FUNCTION WOTH	FUNCTION VALUE >	Freq Offse	
4 5 6 7 8 9 9 10					он	
ea)			STATUS	1	-	

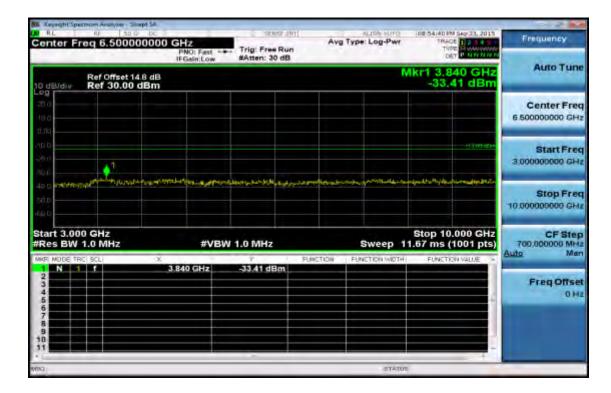
Reynight Spectrum Analyzer - Skrept SA					2.2
RL 00 5000000000000000000000000000000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	08.5410.04M Sep 21, 2015 TRACE 12.2.5.4.5 TVPE N MANAGE OET P N M M M M	Frequency
Ref Offset 14.8 dB dE/div Ref 30.00 dBm			N	/kr1 4.848 GHz -32.05 dBm	Auto Tuni
10 10 10					Center Fre 6 500000000 GH
	1			4100 aDe	Start Fre 3.000000000 GH
0 0 0000000000000000000000000000000000	n an the second s	مىلىرىيەر بەر بەتلەرمەر بەر بەر بەللەرمە	elipineni, ili ingan (nationalise)	anggan pangangan (kan Britis pangaharan	Stop Fre 10,000000000 GH
art 3.000 GHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Ste 700.000000 MH Auto Ma
R MODE TRC SCL X	4.848 GHz	Y FL -32.05 dBm	NICTION FUNCTION WIGTH	FUNCTION VALUE	Freq Offse
			STATU		

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Out of Band emission at antenna terminals –3MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Mid

Enter Freq 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	DE 54:29 PM 540 23, 2015 TRACE 1 2 3 4 5 TYPE N SHORE	Frequency
Ref Offset 14.8 dB	TO SHIEVE		Mk	r3 2.509 5 GHz -35,96 dBm	Auto Tun
	1				Center Fre 1.515000000 GH
90 00		man D		3 3	Start Fre 30,000000 MH
40 0 	Brinin	helfe mer mår som en stærer stører som et	And an a star of the star of t	Ωniji.Ω _{N s}	Stop Fre 3.000000000 GH
start 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297,000000 Mit
NR MODE TRC SCL X	34.9 MHz	9 FL 27.69 dBm	NCTION FUNCTION WOTH	FUNCTION VALUE	Auto Ma
2 N 1 T 1.0	573 0 GHz 509 5 GHz	-37.44 dBm -35.96 dBm		_	Freq Offse 0 H
a)			STATUS		

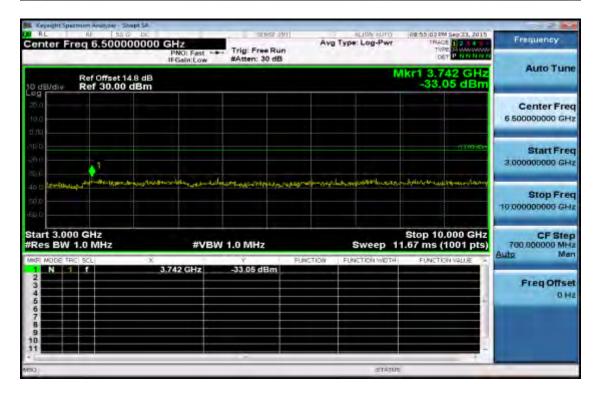


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Out of Band emission at antenna terminals-3MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Highest

Center Freq 1.51500000	PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	08:54:52 PM Sep 23, 2015 TRACE 1 2 3 4 5 TIPE NUMBER OF PARTICIPAL	Frequency
Ref Offset 14.8 dB Ref 30.00 dBm			MK	r3 2.542 5 GHz -35.69 dBm	Auto Tune
200.	1				Center Free 1.515000000 GH
100 200 300		\sim			Start Free 30,000000 MH
40 0	ind and open the same	and and a stand			Stop Free 3,00000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Step 297,000000 MH Auto Mar
1 N 1 1 2 N 1 1	846.8 MHz 696 0 GHz 642 5 GHz	27.66 dBm -38.00 dBm -36.69 dBm		-	Freq Offse 0 H
			STATUS	-	



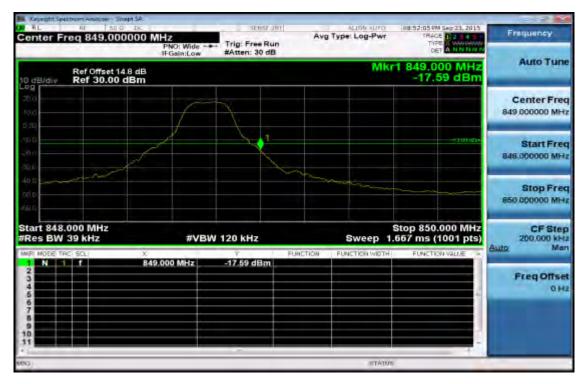
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Band edge emission at antenna terminals –3MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –3MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 14) Channel Highest



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Band edge emission at antenna terminals –3MHz BW LTE-Band 5 (QPSK RB Number: 15 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –3MHz BW LTE-Band 5 (QPSK RB Number: 15 Offset: 0) Channel Highest



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Out of Band emission at antenna terminals-5MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Lowest

Keyenght Spectrum Anunyzer - Skrept SA					
Center Freq 1.515000000	GHz PNO: Fast	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	08:45:04 PM Sep 23, 2015 TRACE 1 2 3 4 5 TYPE DET P N/N M/H	Frequency
10 dB/div Ref 30.00 dBm	Auto Tune				
20.0 10.0					Center Fred 1.515000000 GHz
360		A2		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Start Free 30.000000 MHz
40.0 protocol a construction of the second s	lav o cincupricu	and a survey and a survey and a	ne a ann an	3 20 () () () () () () () () () () () () ()	Stop Free 3.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBV	/ 1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Step 297.000000 MH
2 N 1 T 1.0	826.0 MHz 553 0 GHz 479 5 GHz	28.36 dBm -38.48 dBm -36.34 dBm	INCTION FUNCTION WOTH	FUNCTION VALUE >	FregOffse
4 6 7 8 9 10 11					0 Hz
CRN			STATU	5	-

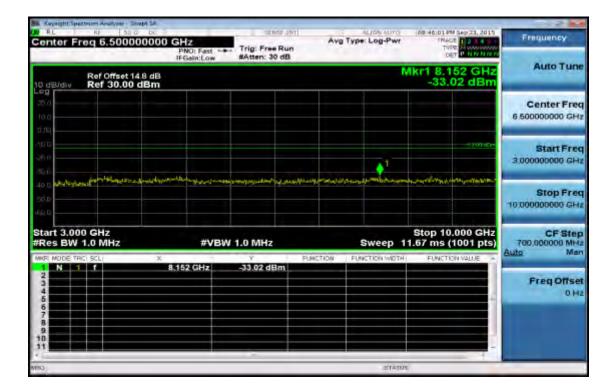
Keyaight Spectrum Analyter - Skept SA RL A/ 50 G DC		SENSE JUT		08-45:23 PM Sep 23, 2015	3.2 8		
Center Freq 6.50000000	0 GHz PNO: Fast		Avg Type: Log-Pwr	TRACE 1 2 4 4 TYPE NUMBER	Frequency Auto Tun		
	Ref Offset 14.8 dB Mkr1 5.437 GHz -31.91 dBm -31.91 dBm						
20.0 10.0 2.150					Center Fre 6 50000000 GH		
1000				91094De	Start Fre 3.000000000 GH		
10 C petriling and petril and and book 14 50 C	nanutinautina	neverantais valiti ja juste mo	n shahan shan ang sharab mgi ang	hendelland on the number of the	Stop Fra 10.00000000 Gi		
tart 3.000 GHz Res BW 1.0 MHz	#VBI	V 1.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Ste 700,000000 Mi Auto M		
NR MODE TRC SCL X	6.437 GHz	9 F	UNCTION FUNCTION WOTH	FUNCTION VALUE ×	Sult2 M		
2 3 4 5 6 6					Freq Offs 01		
(£8			STATU	s			

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Out of Band emission at antenna terminals –5MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Mid

				10 P P
		Avg Type: Log-Pwr	COLOSISTEM Sep 23, 2015 TRACE 1 2 3 4 5 TYPE PLONAGE AND OFT PLN NUMBER	Frequency
		Mi	r3 2.509 5 GHz -35.95 dBm	Auto Tuni
+1				Center Free 1.515000000 GH
	\$ ²		-100 an	Start Free 30.000000 MH
linestation and the second	والمحمد والمعرفة والمعادمة والمعادمة والمعادمة والمعادية والمعادة والمعادة والمعادة والمعادة والمعادة والمعادة	ale an air tha ann a Martin Air an Air ann an		Stop Fre 3.000000000 GH
#VB	W 1.0 MHz	Sweep 3	Stop 3.000 GHz .600 ms (1001 pts)	CF Ste 297,000000 MH Auto Ma
673 0 GHz	7.57 dBm -36.65 dBm -35.95 dBm	UNCTION FUNCTION WOTH	FUNCTION VALUE	Freq Offse
	IFGain:Low	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB #Atten: 30 dB #VBW 1.0 MHz #VBW 1.0 MHz 834.9 MHz 27.67 dBm	CHZ PND: Fast Trig: Free Run #Atten: 30 dB MIK #VBW 1.0 MHz #VBW 1.0 MHz Sweep 3 FLACTION FUNCTION WOTH 834.9 MHz -27.67.dBm FUNCTION WOTH -27.67.dBm	GHz PND: Fast

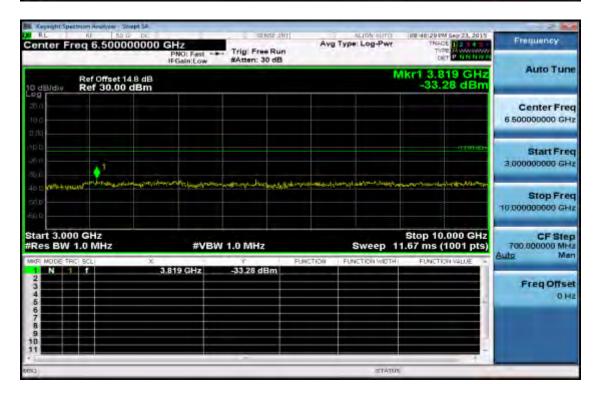


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Out of Band emission at antenna terminals–5MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Highest

Ruy night Spectrolm Anulyter - Skrept SA		SPAGE JUT	N ION AUTO	08-46:19PM Sep 21, 2015	212 1
Center Freq 1.51500000	PNO: Fast -		Avg Type: Log-Pwr	TRACE 1 2 3 4 9 1 TYPE IN MANAGEMENT DET PINN MANA	Frequency
Ref Offset 14.8 dB	Auto Tuni				
200	1				Center Fre 1.515000000 GH
100 		02		-1024Dr	Start Fre 30,00000 MH
40 D pelenen diregionet haleborg and so GOD ER D		and an and a star and a			Stop Fre 3.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBV	V 1.0 MHz		Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
MRR MODE TRC SCL X 1 N 1 f 2 N 1 f 3 N 1 f 4 6	843.8 MHz .693 0 GHz .639 5 GHz	27.79 dBm -37.08 dBm -35.50 dBm	NCTION	FUNCTION VALUE	Freq Offse 0 H
7 8 9 10 11					
C.C.			STATUS		



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Band edge emission at antenna terminals –5MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 5 (QPSK RB Number: 1 Offset: 24) Channel Highest



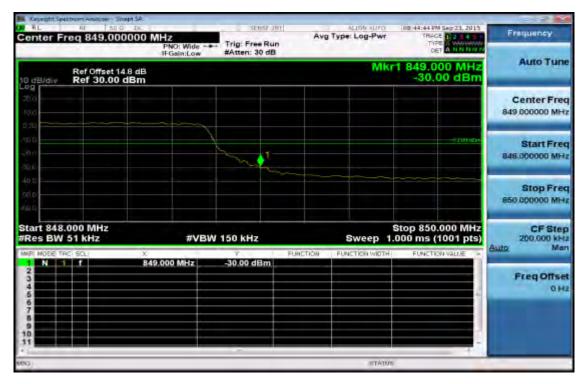
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Band edge emission at antenna terminals –5MHz BW LTE-Band 5 (QPSK RB Number: 25 Offset: 0) Channel Lowest



Band edge emission at antenna terminals –5MHz BW LTE-Band 5 (QPSK RB Number: 25 Offset: 0) Channel Highest



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