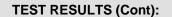


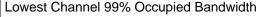


#### **TEST RESULTS (Cont):** Highest Channel 99% Occupied Bandwidth Ref Level 40.00 dBm Offset 10.50 dB . RBW 100 kHz 45 dB 👄 SWT Att 1 s 👄 **VBW** 300 kHz Mode Sweep Input 1 AC PS ⊖1Pk View M1[1] -29.37 dBm 819.00000 MHz 30 dBm-Occ Bw 2.737000000 MHz 20 dBmwill. 10 dBm-0 dBm--10 dBm--20 dBm 30 dBm--40 dBm--50 dBm-CF 822.5 MHz 1000 pts Span 7.0 MHz Highest Channel 26dBc Bandwidth kHz Ref Level 40.00 dBm Offset 10.50 dB - RBW 100 kHz 45 dB 🖷 SWT 1 s 👄 **VBW** 300 kHz Mode Auto Sweep Input 1 AC Att PS ⊖1Pk View D2[1] -26.85 dB -1.0940 MHz 30 dBm-M1[1] 17.97 dBm M1 822.0440 MHz 20 dBm-10 dBm-0 dBm-D3 DP -10 dBm -20 dBm--30 dBm--40 dBm--50 dBm-Span 7.0 MHz CF 822.5 MHz 691 pts Marker Function **Function Result** Type Ref Trc X-value Y-value 822.044 MHz M1 1 17.97 dBm -26.85 dB D2 M1 1 -1.094 MHz D3 D2 1 3.08 MHz 0.46 dB



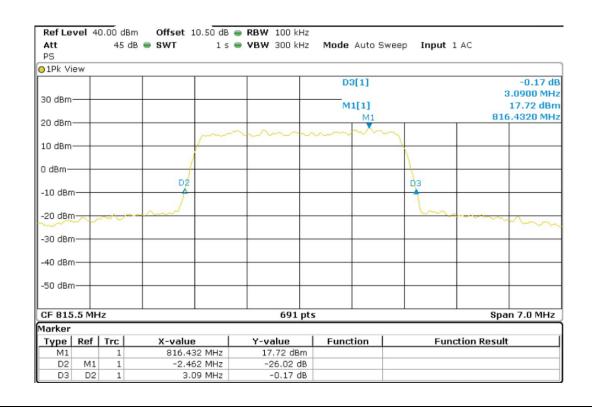


# LTE 16 QAM MODULATION. BW = 3 MHz

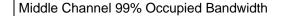


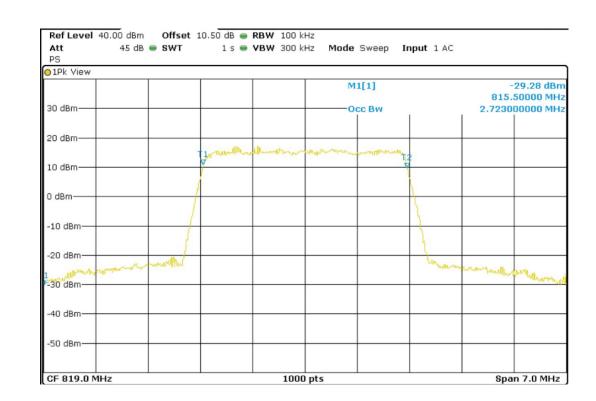
Ref Level 40.00 dBm Offset 10.50 dB 🖷 RBW 100 kHz 45 dB 🖷 SWT 1 s 👄 **VBW** 300 kHz Att Mode Sweep Input 1 AC PS O1Pk View -23.85 dBm M1[1] 812.00000 MHz 30 dBm-Occ Bw 2.758000000 MHz 20 dBm-10 dBm-0 dBm--10 dBm--20 dBm--30 dBm--40 dBm--50 dBm-CF 815.5 MHz 1000 pts Span 7.0 MHz

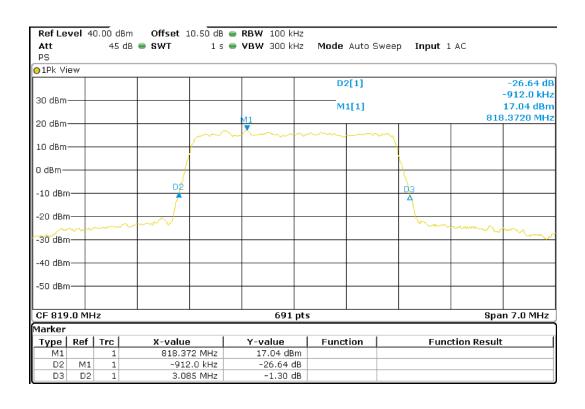
Lowest Channel -26dBc Bandwidth kHz





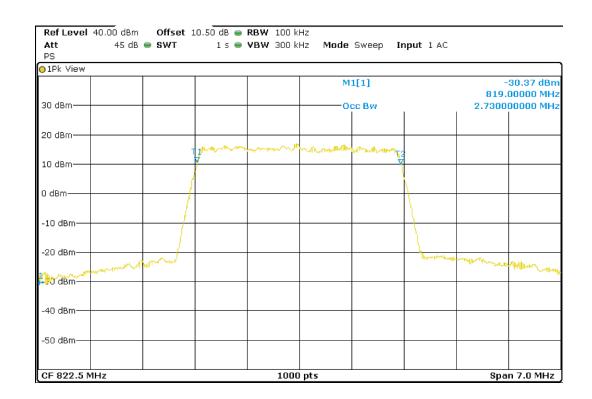




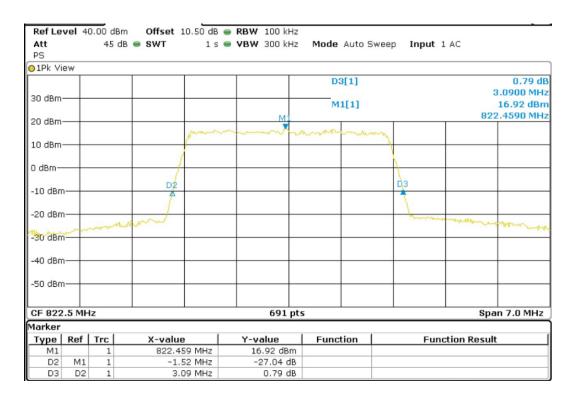




#### Highest Channel 99% Occupied Bandwidth



#### Highest Channel 26dBc Bandwidth kHz



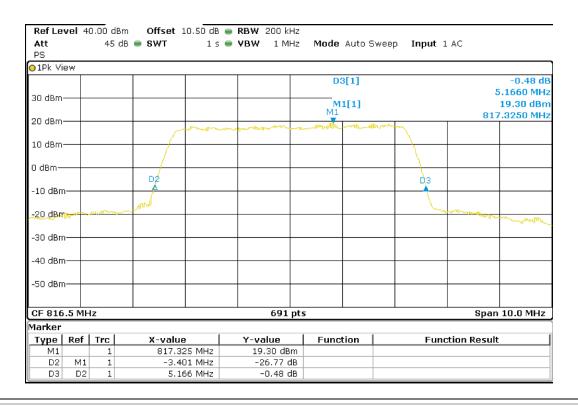


#### LTE QPSK MODULATION. BW = 5 MHz

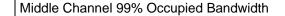
Lowest Channel 99% Occupied Bandwidth

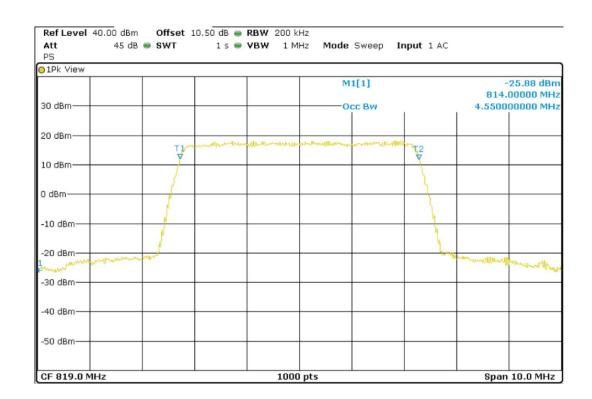


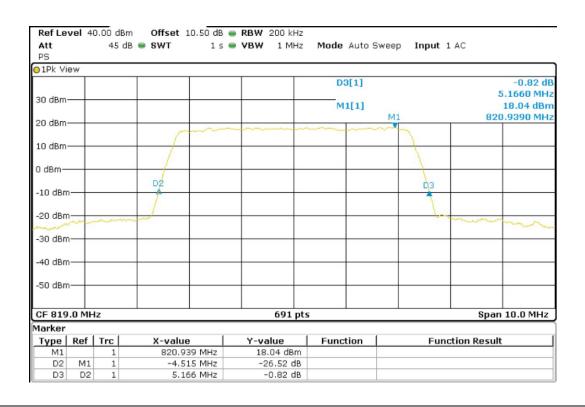
Lowest Channel -26dBc Bandwidth kHz



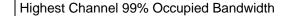


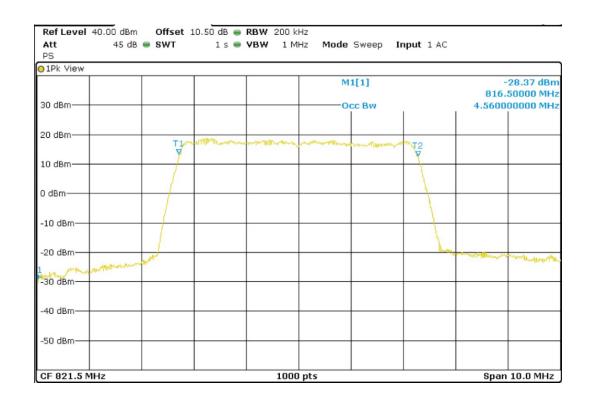




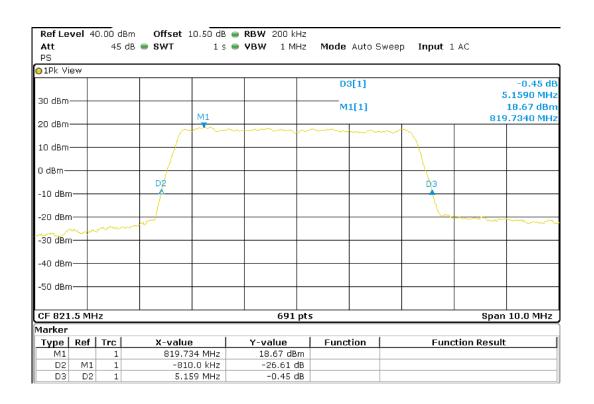






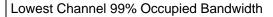


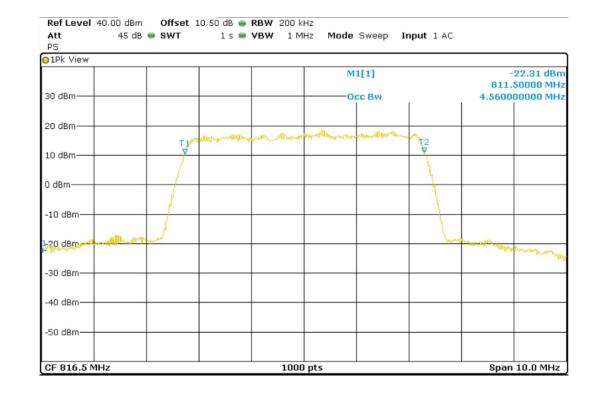
#### Highest Channel 26dBc Bandwidth kHz



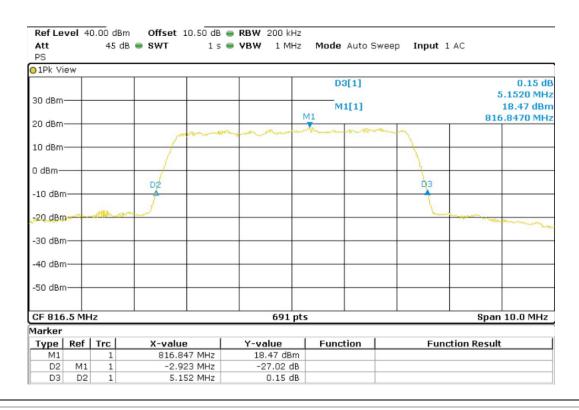


#### LTE 16 QAM MODULATION. BW = 5 MHz

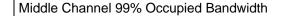


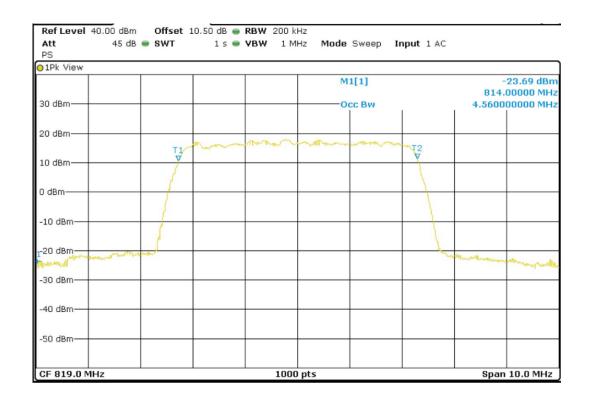


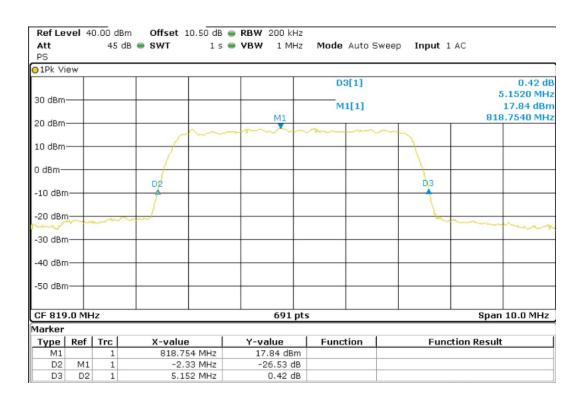
#### Lowest Channel -26dBc Bandwidth kHz



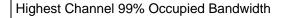


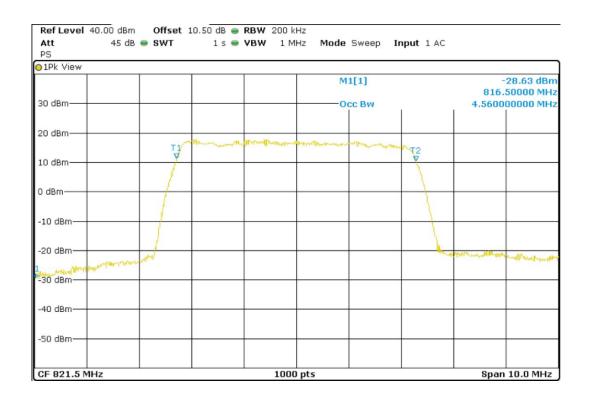




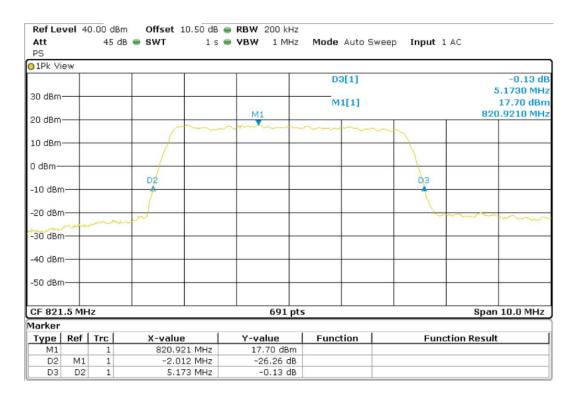








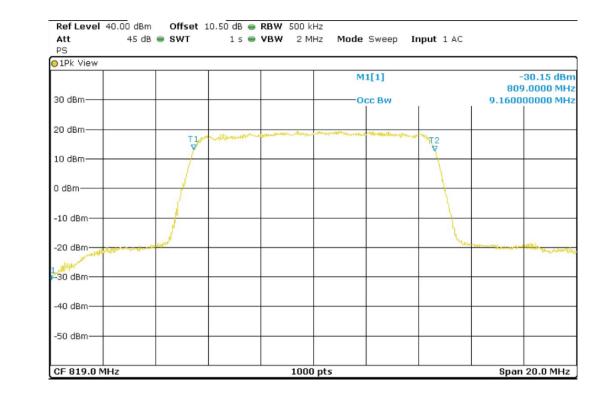
Highest Channel 26dBc Bandwidth kHz





#### LTE QPSK MODULATION. BW = 10 MHz

99% Occupied Bandwidth



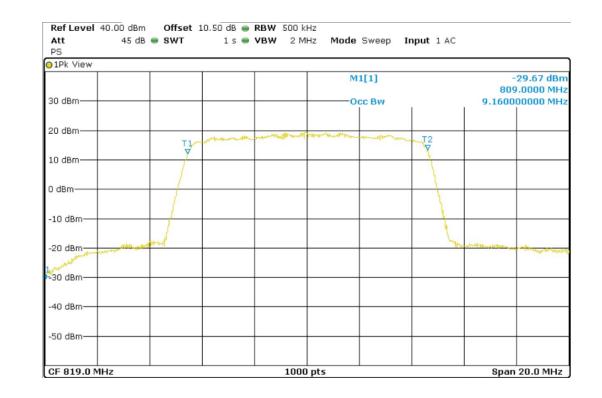
#### -26dBc Bandwidth kHz



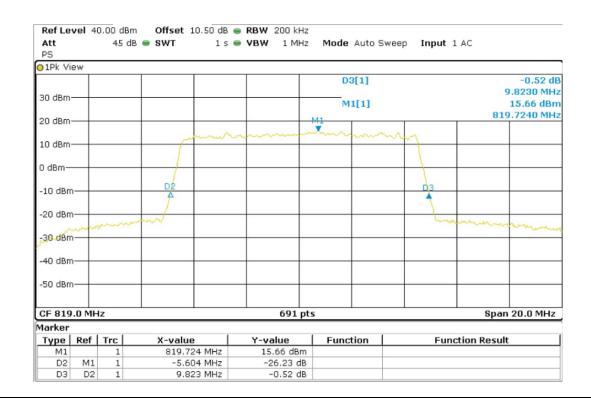




#### 99% Occupied Bandwidth

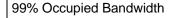


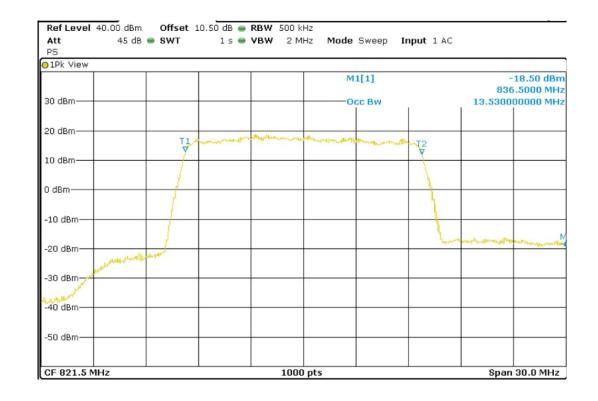
#### -26dBc Bandwidth kHz



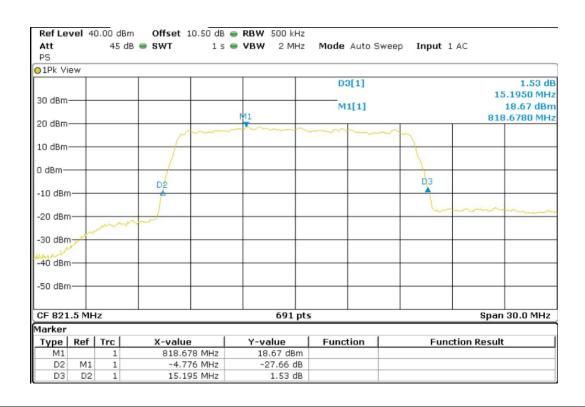


#### LTE QPSK MODULATION. BW = 15 MHz



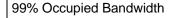


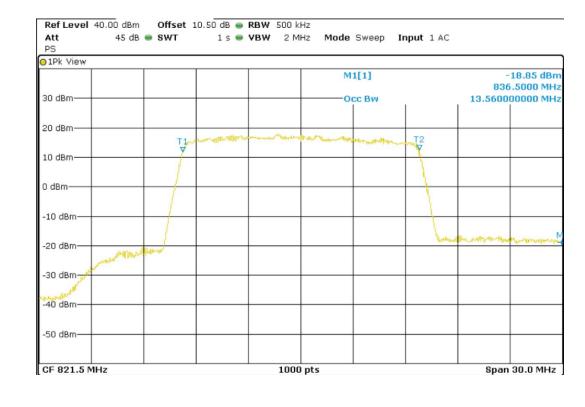
#### 26dBc Bandwidth kHz



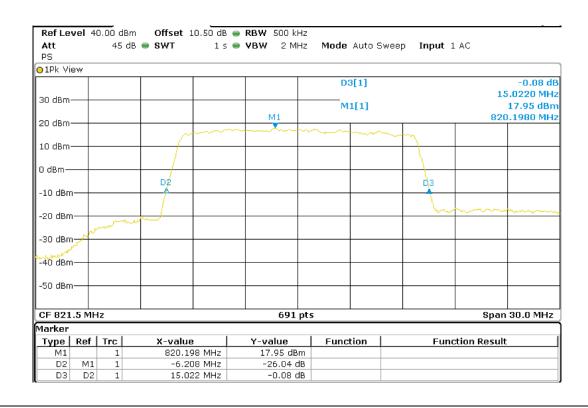








#### 26dBc Bandwidth kHz





	PLES:		S/01
TESTED CONDITIO	NS MODES:		TC#02
TEST RESU	_TS:		PASS
LTE QPSK MODULATION.	BW = 1.4 MHz		
	Frequ	Jency	824.0
	99% Occupied b		1.11
LTE 16QAM MODULATION			
	Frequ	Jency	824.0
	99% Occupied b	pandwidth (MHz)	1.11
LTE QPSK MODULATION.			
TE QPSK MODULATION.		Jency	824.0
TE QPSK MODULATION.			824.0 2.70
LTE QPSK MODULATION.	Freque 99% Occupied to N. BW = 3 MHz Frequ	uency	2.70 824.0
	Freque 99% Occupied to N. BW = 3 MHz Frequ	pandwidth (MHz)	2.70
	Freque 99% Occupied to N. BW = 3 MHz Freque 99% Occupied to	uency	2.70 824.0
TE 16QAM MODULATION	Freque 99% Occupied to N. BW = 3 MHz Freque 99% Occupied to BW = 5 MHz	uency	2.70 824.0



#### LTE 16QAM MODULATION. BW = 5 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	4.50

#### LTE QPSK MODULATION. BW = 10 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	8.96

LTE 16QAM MODULATION. BW = 10 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	8.94

#### LTE QPSK MODULATION. BW = 15 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	13.44

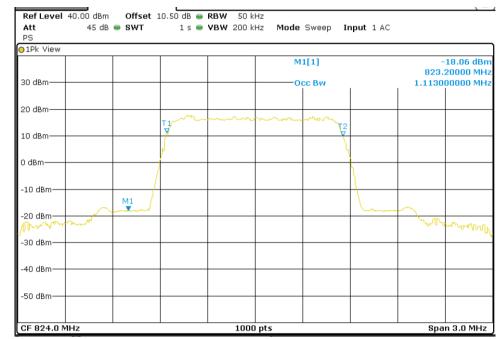
LTE 16QAM MODULATION. BW = 15 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	13.41

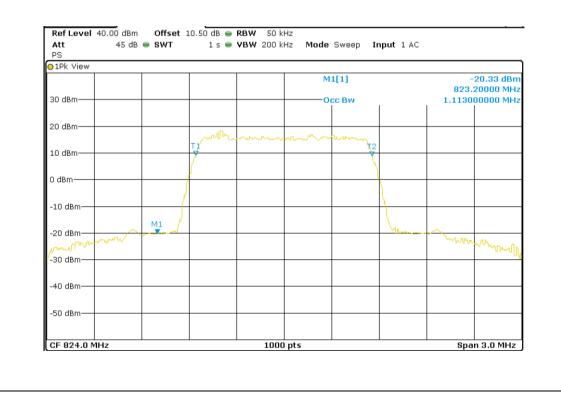


## LTE QPSK MODULATION. BW = 1.4 MHz

#### 99% Occupied Bandwidth



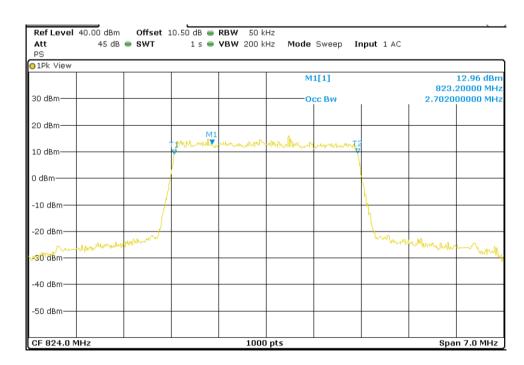
#### LTE 16QAM MODULATION. BW = 1.4 MHz



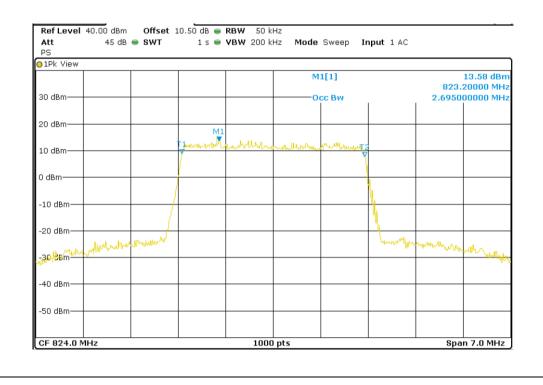


## LTE QPSK MODULATION. BW = 3 MHz

99% Occupied Bandwidth



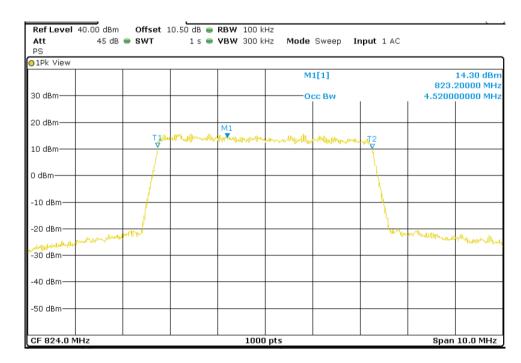
### LTE 16QAM MODULATION. BW = 3 MHz



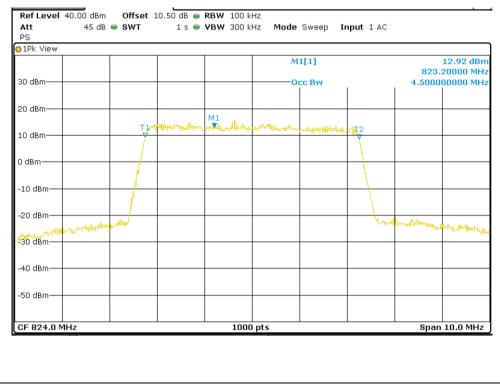


## LTE QPSK MODULATION. BW = 5 MHz

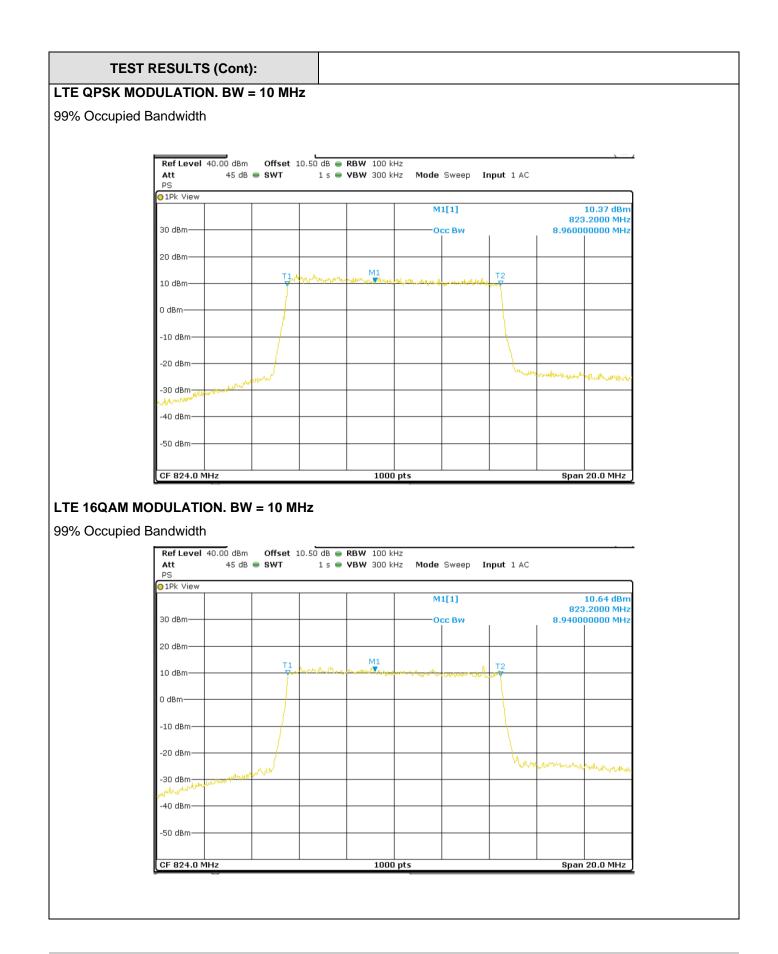
99% Occupied Bandwidth



## LTE 16QAM MODULATION. BW = 5 MHz







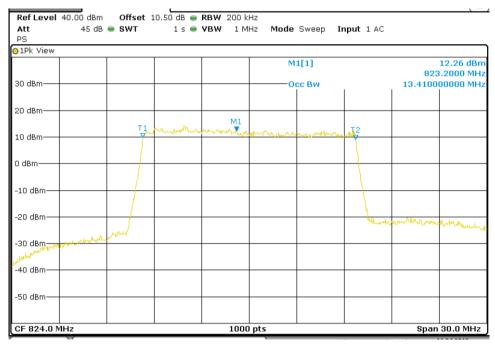


## LTE QPSK MODULATION. BW = 15 MHz

#### 99% Occupied Bandwidth



### LTE 16QAM MODULATION. BW = 15 MHz





TEST A.4: SPURIO	OUS EMISSIONS /	AT ANTENNA TERMINALS	
LIMITS:	Product standard:	FCC Part 90	
LIMITS:	Test standard:	FCC §2.1051 and § 90.691.	
factor of at least 43 + 1	I0 log (P) dB. P in watt rer of 2 watts (33 dBm) re to Po becomes:	, the specified minimum attenuation becomes 43+10log (Po). and	
TEST S	SETUP		
	(selecting maximum	ed to a spectrum analyzer and to the Universal Radio Communication transmission power of the EUT and different modes of modulation) er.	
The spectrum was inve	estigated from 9 kHz to	20 GHz for LTE Band 26.	
The reading of the spectrum analyzer is corrected with the attenuation loss of connection between output terminal of EUT and input of the spectrum analyzer.			
For LTE mode the compower was used.	nfiguration of Resourc	e Blocks and modulation which is the worst case for conducted	
P	EUT Attenuat	or Power devider Signalling Unit	



TESTED SAMPLES:	S/01	
TESTED CONDITIONS MODES:	TC#01	
TEST RESULTS:	PASS	
Frequency range 9 kHz – 20 GHz		
LTE QPSK MODULATION. BW = 1.4 MHz		
Lowest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Middle Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Highest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
LTE QPSK MODULATION. BW = 3 MHz		
Lowest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Middle Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Highest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
LTE QPSK MODULATION. BW = 5 MHz		
Lowest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Middle Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Highest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
LTE QPSK MODULATION. BW = 10 MHz		
Lowest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Middle Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Highest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
LTE QPSK MODULATION. BW = 15 MHz		
Lowest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Middle Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
Highest Channel The spurious signals were detected more than	10 dB below the limit in the frequency range.	
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