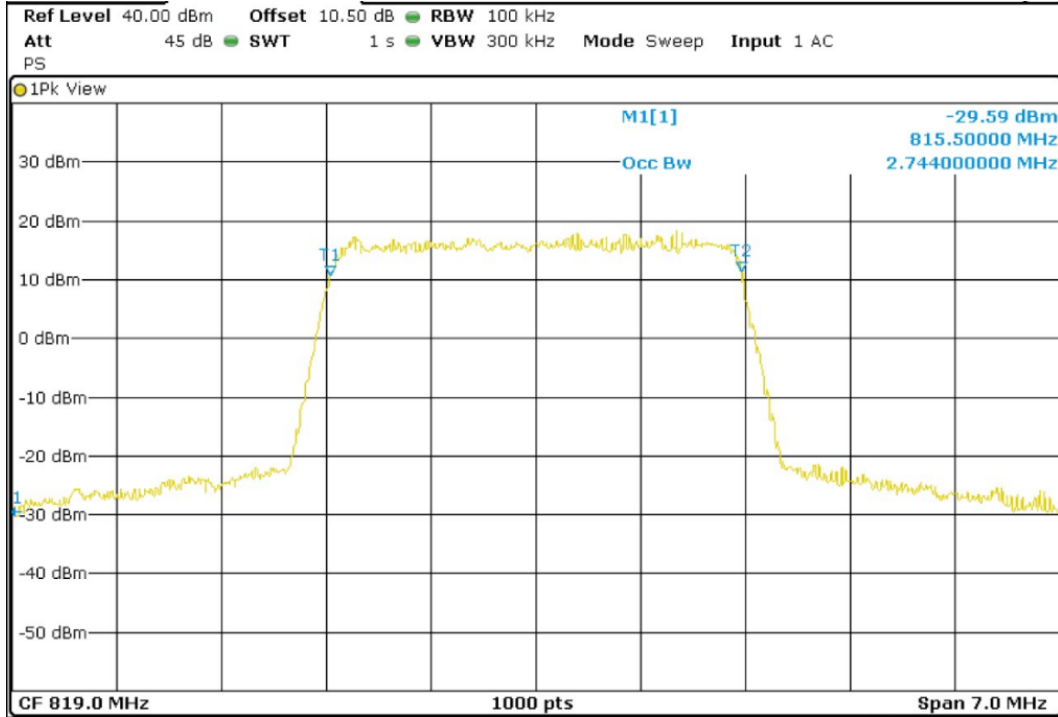
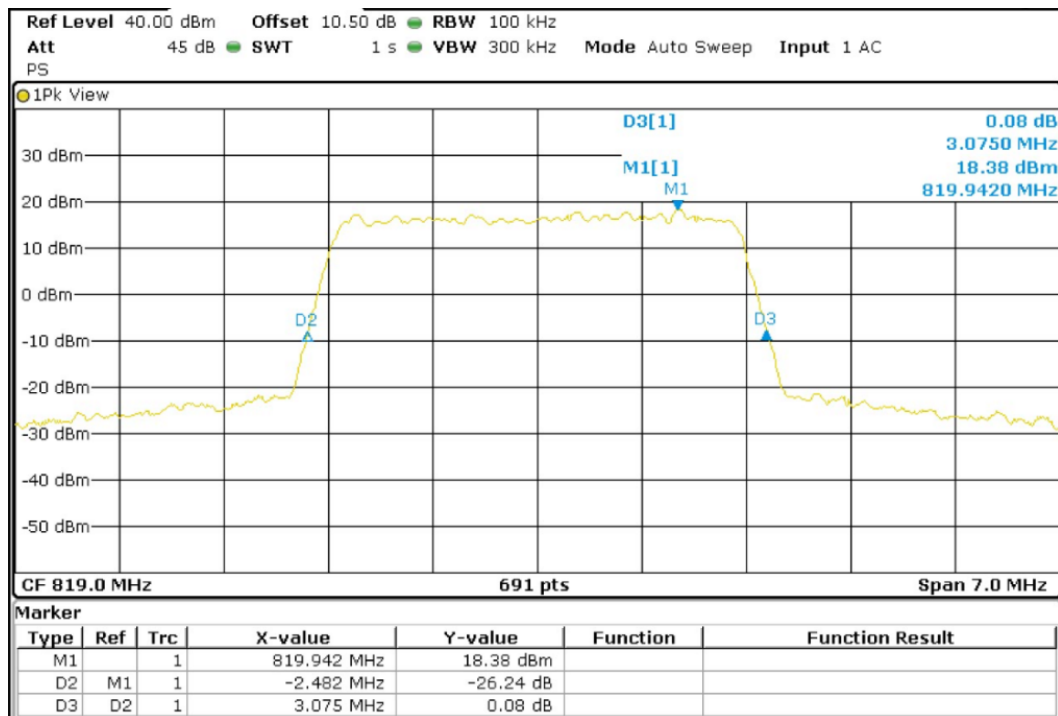


TEST RESULTS (Cont):

Middle Channel 99% Occupied Bandwidth

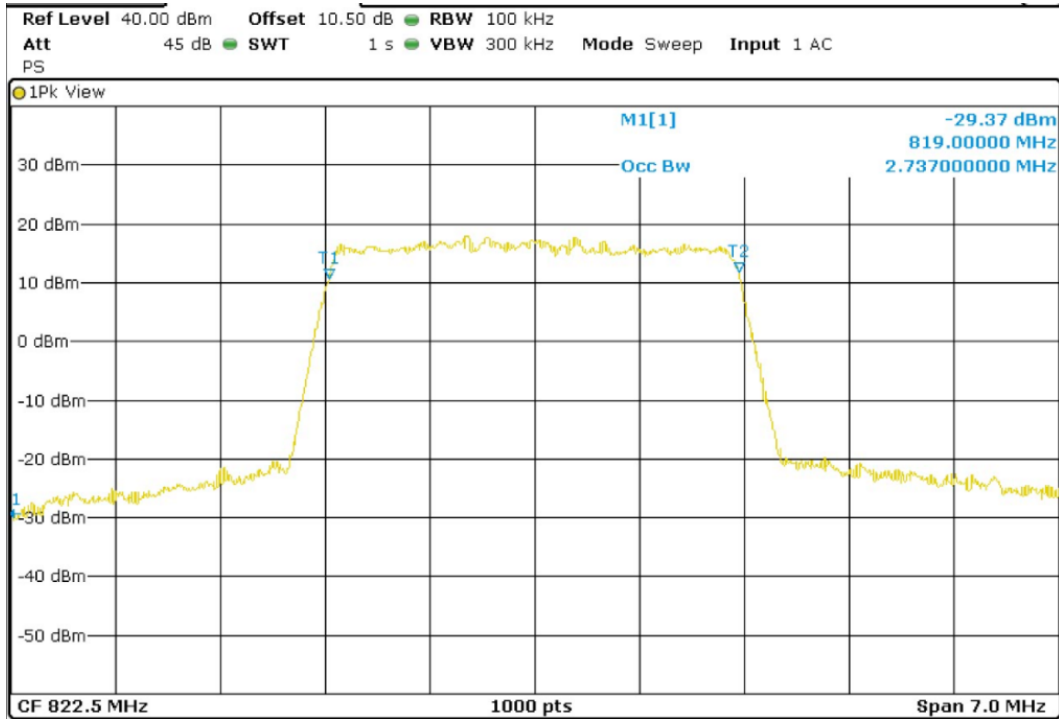


Middle Channel 26dBc Bandwidth kHz

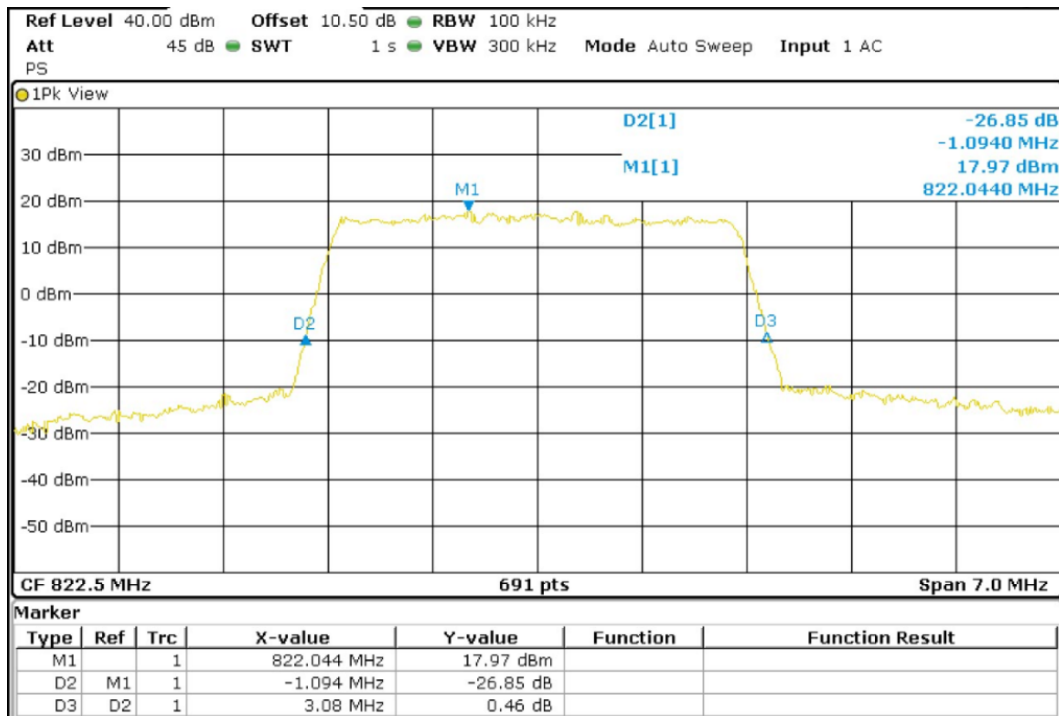


TEST RESULTS (Cont):

Highest Channel 99% Occupied Bandwidth



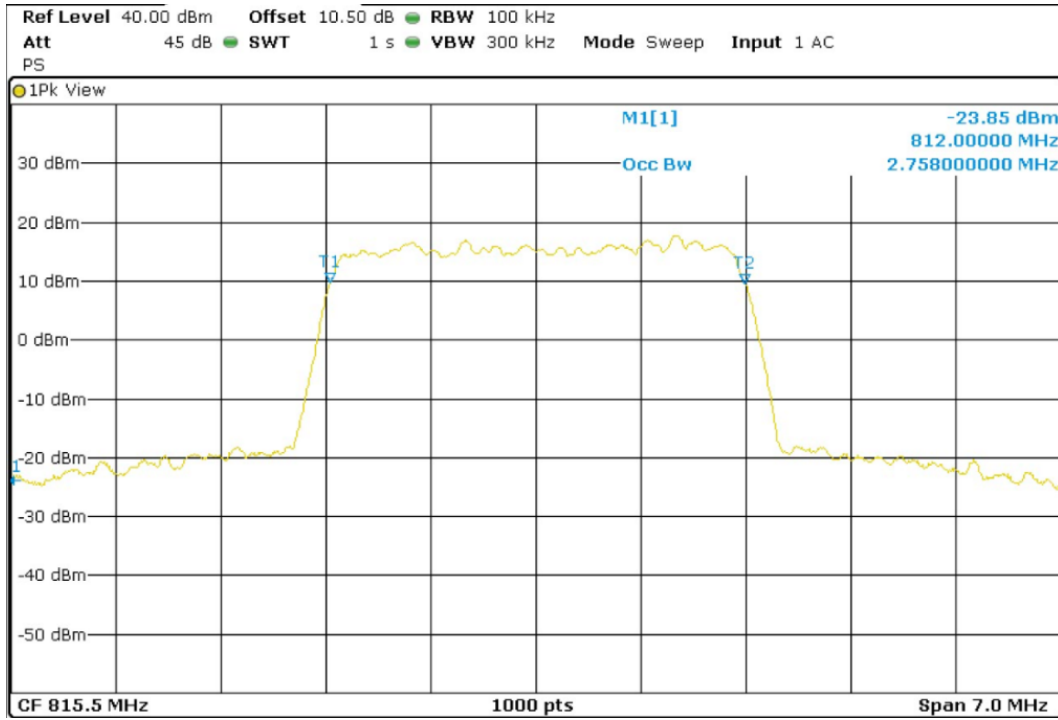
Highest Channel 26dBc Bandwidth kHz



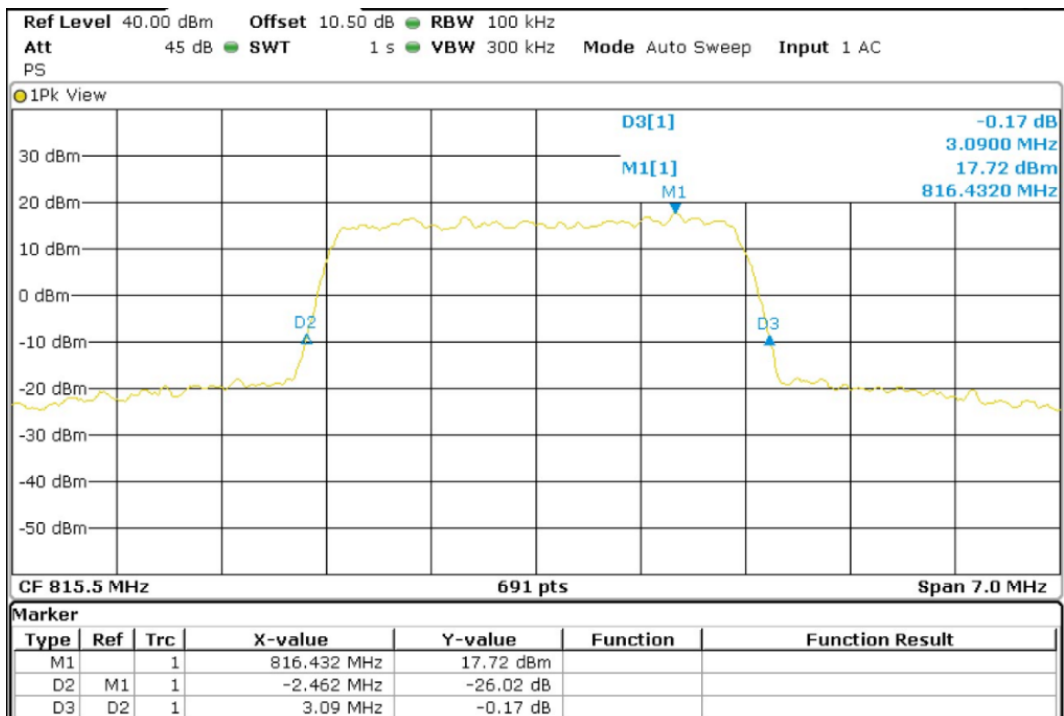
TEST RESULTS (Cont):

LTE 16 QAM MODULATION. BW = 3 MHz

Lowest Channel 99% Occupied Bandwidth

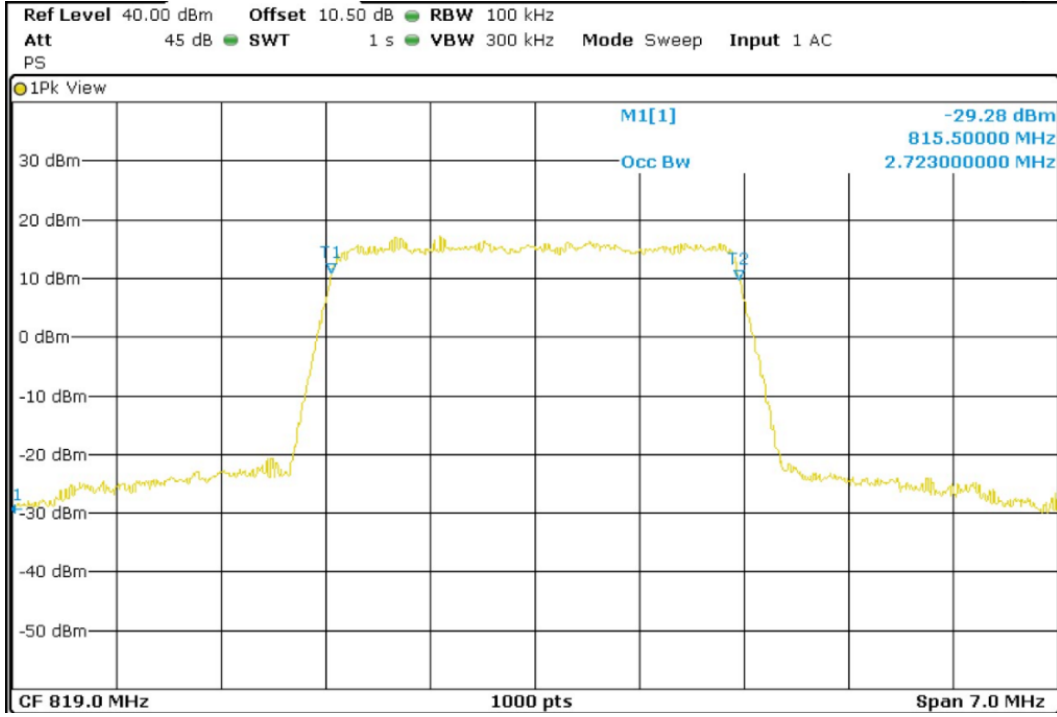


Lowest Channel -26dBc Bandwidth kHz

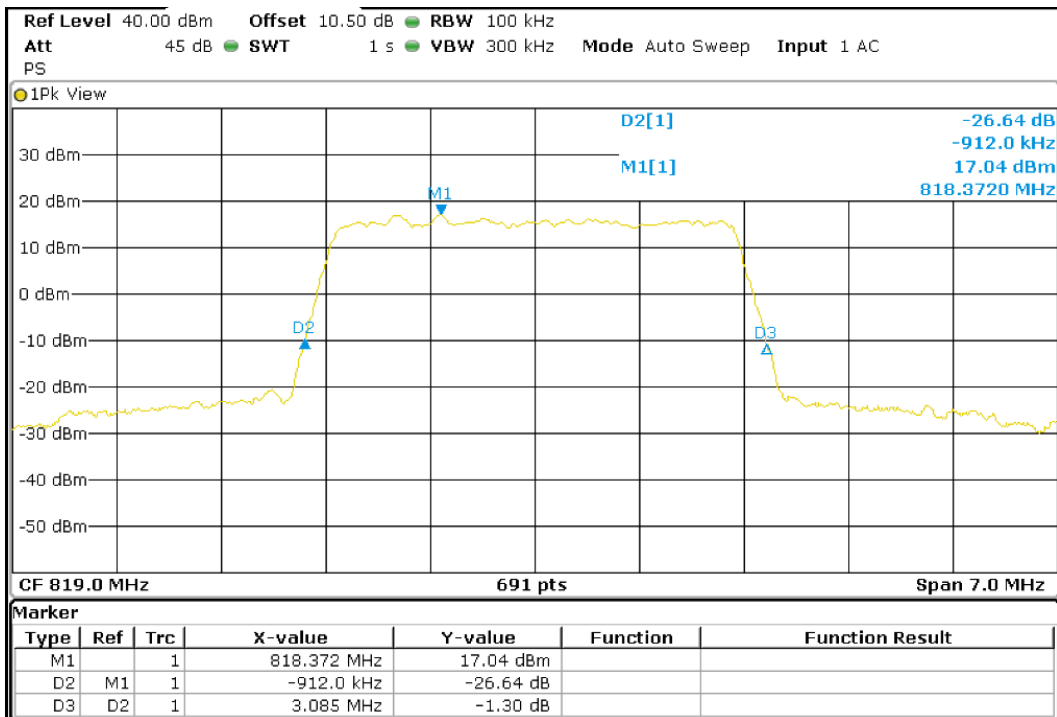


TEST RESULTS (Cont):

Middle Channel 99% Occupied Bandwidth

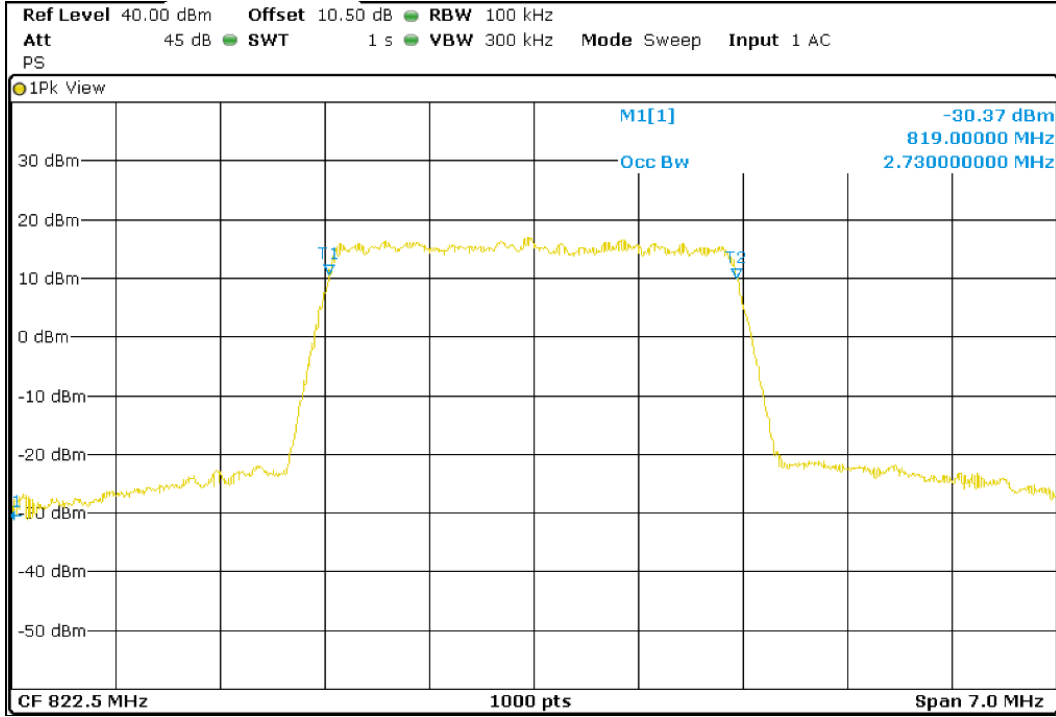


Middle Channel 26dBc Bandwidth kHz

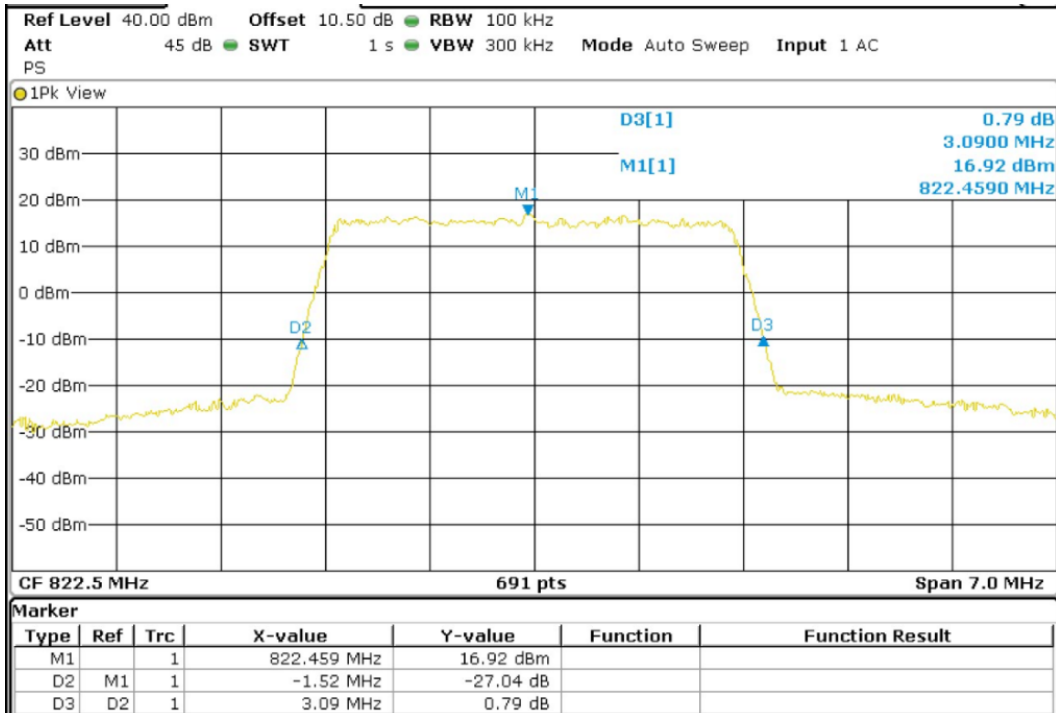


TEST RESULTS (Cont):

Highest Channel 99% Occupied Bandwidth



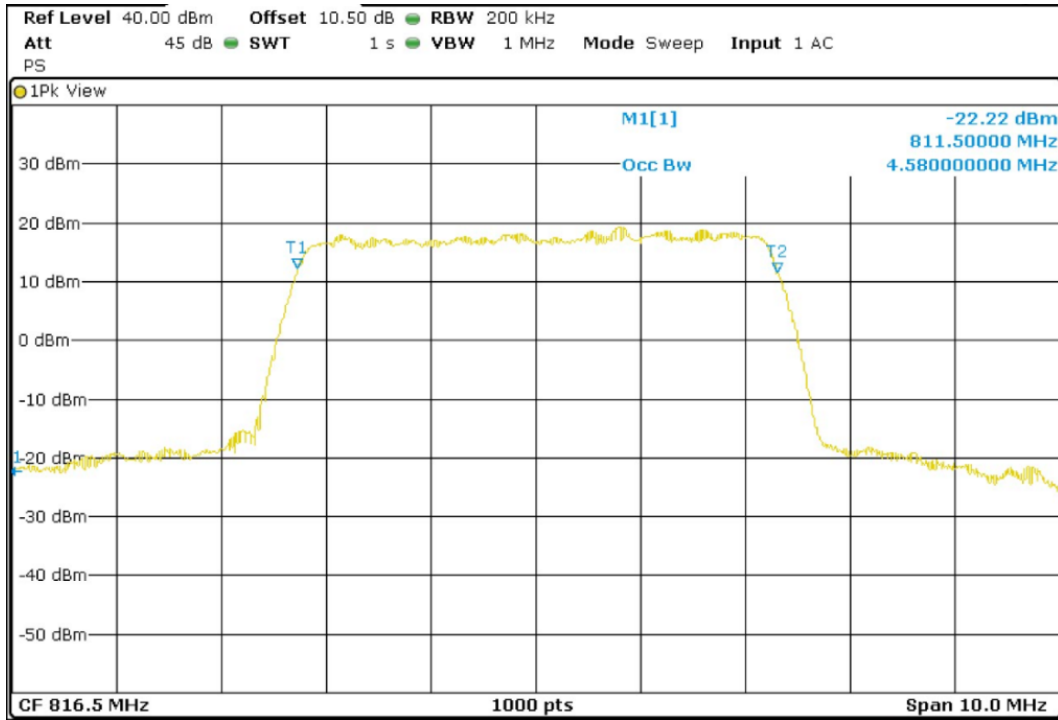
Highest Channel 26dBc Bandwidth kHz



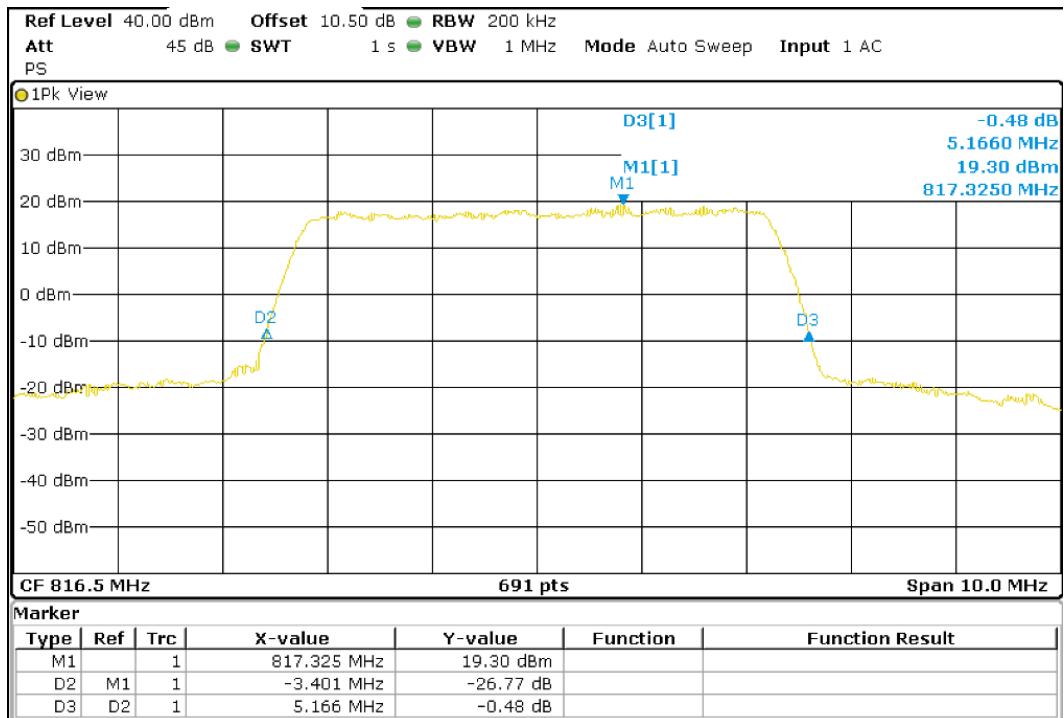
TEST RESULTS (Cont):

LTE QPSK MODULATION. BW = 5 MHz

Lowest Channel 99% Occupied Bandwidth

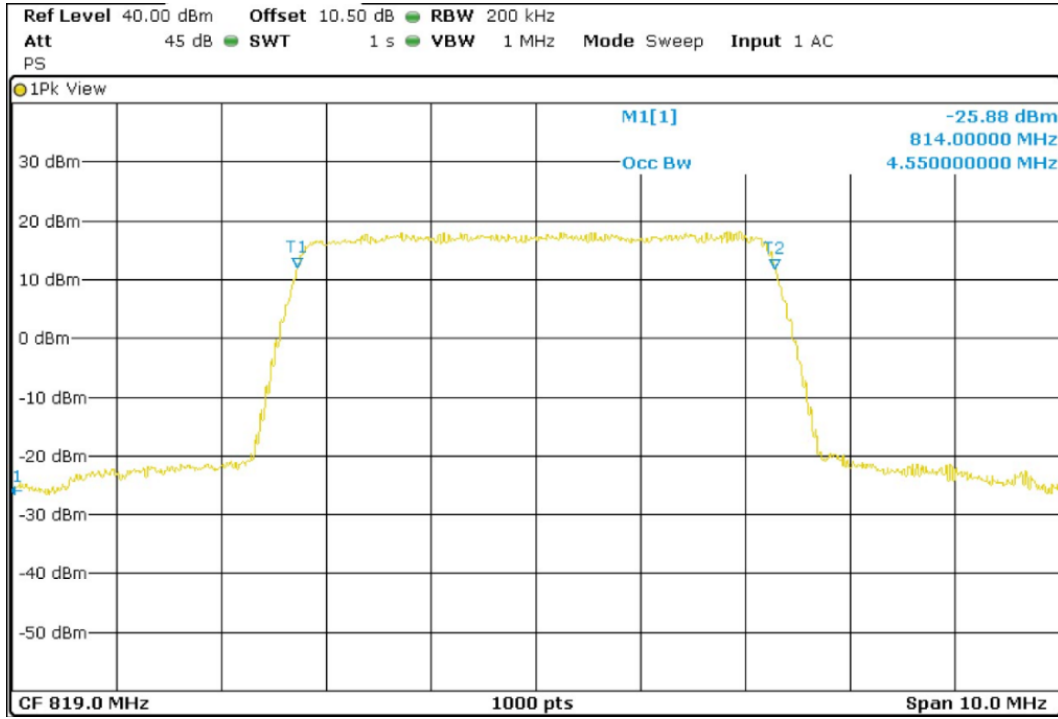


Lowest Channel -26dBc Bandwidth kHz

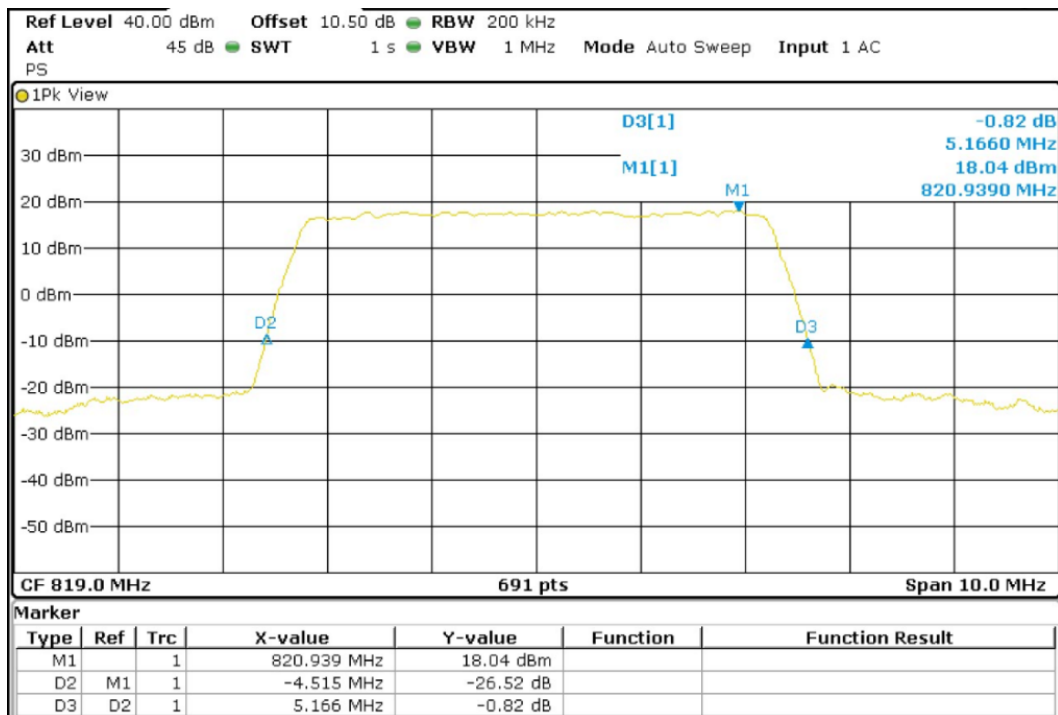


TEST RESULTS (Cont):

Middle Channel 99% Occupied Bandwidth

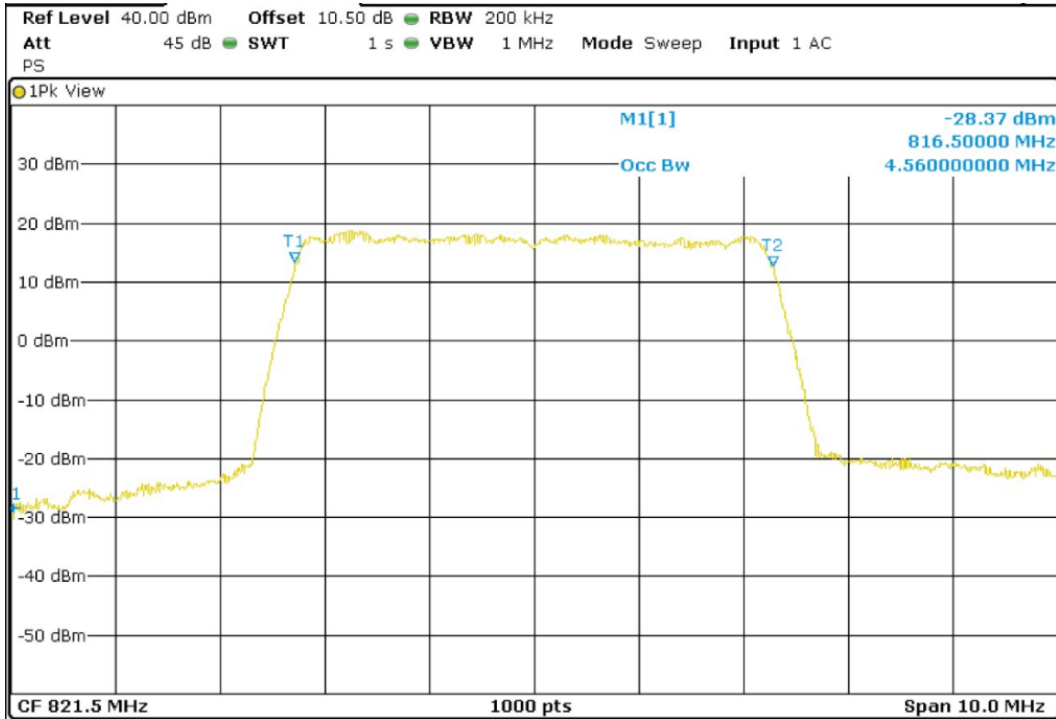


Middle Channel 26dBc Bandwidth kHz

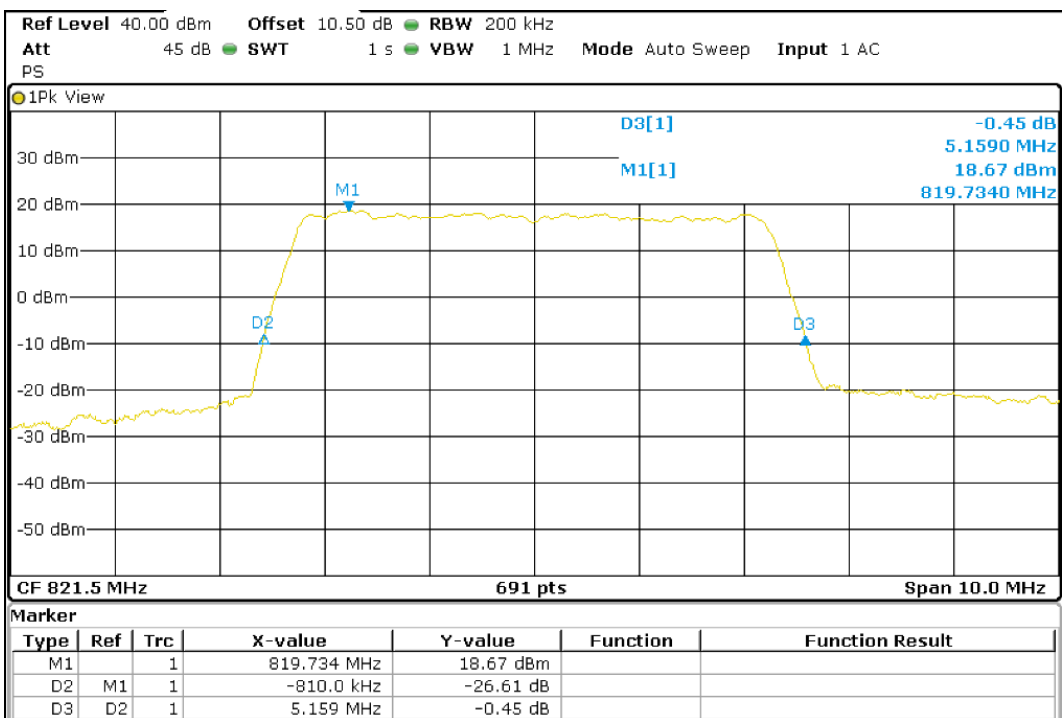


TEST RESULTS (Cont):

Highest Channel 99% Occupied Bandwidth

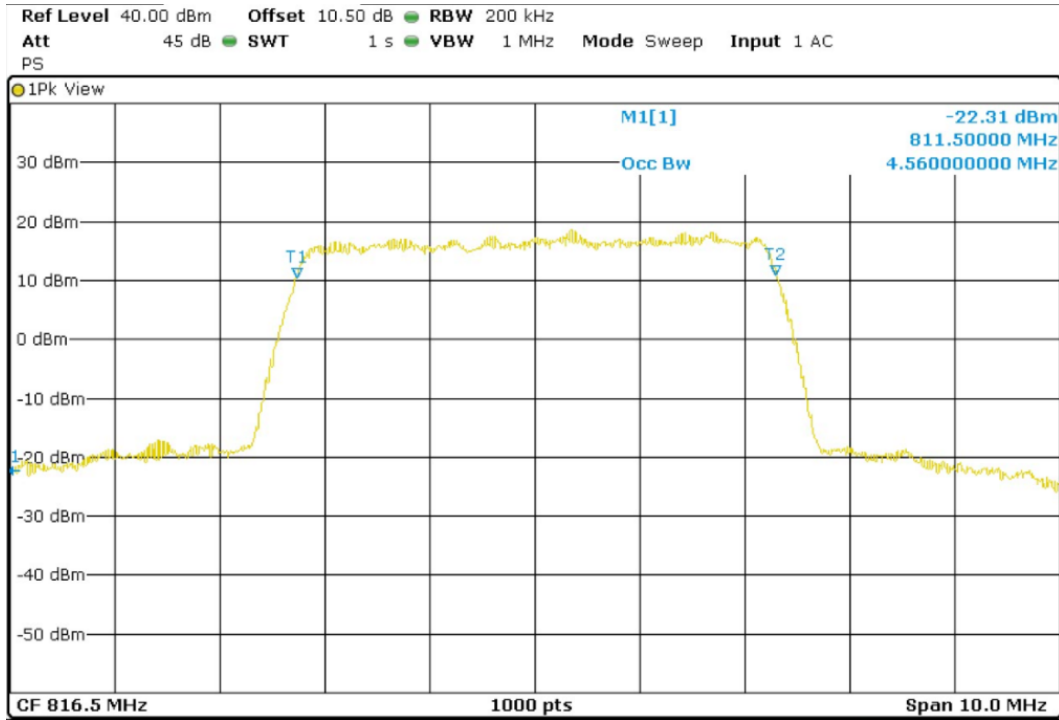


Highest Channel 26dBc Bandwidth kHz

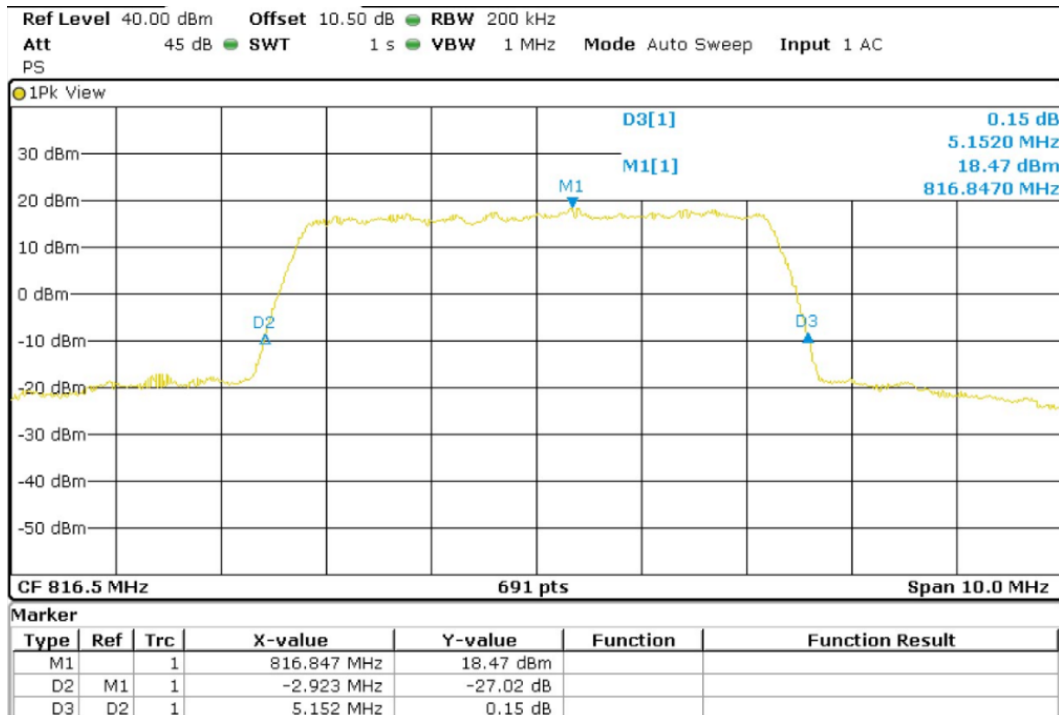


TEST RESULTS (Cont):

LTE 16 QAM MODULATION. BW = 5 MHz
 Lowest Channel 99% Occupied Bandwidth

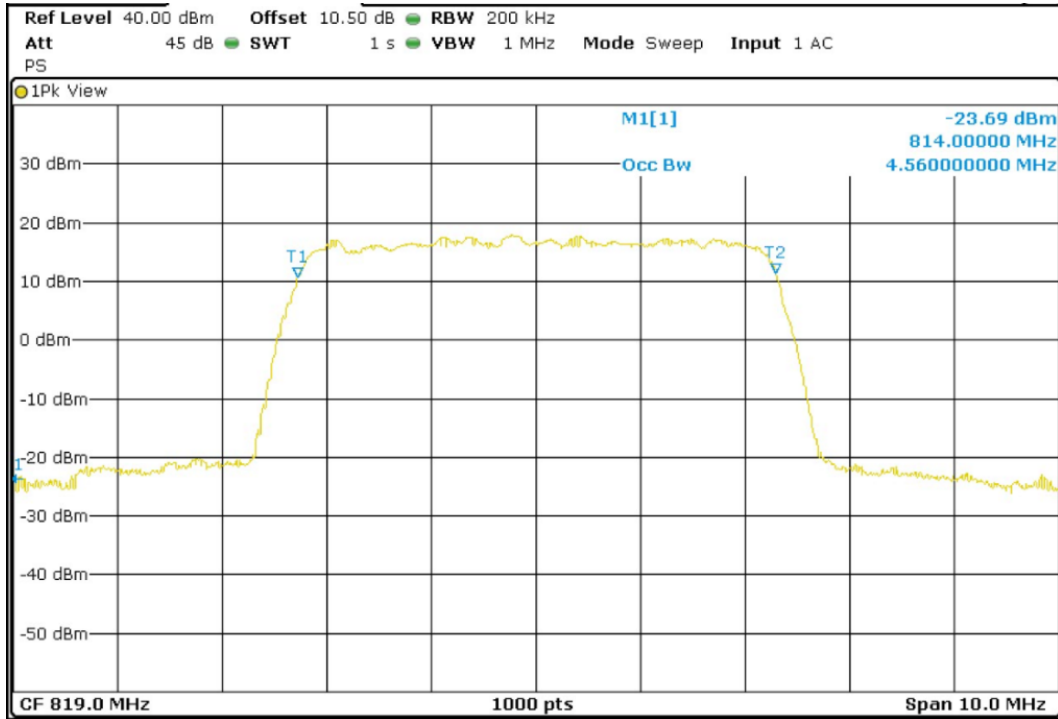


Lowest Channel -26dBc Bandwidth kHz

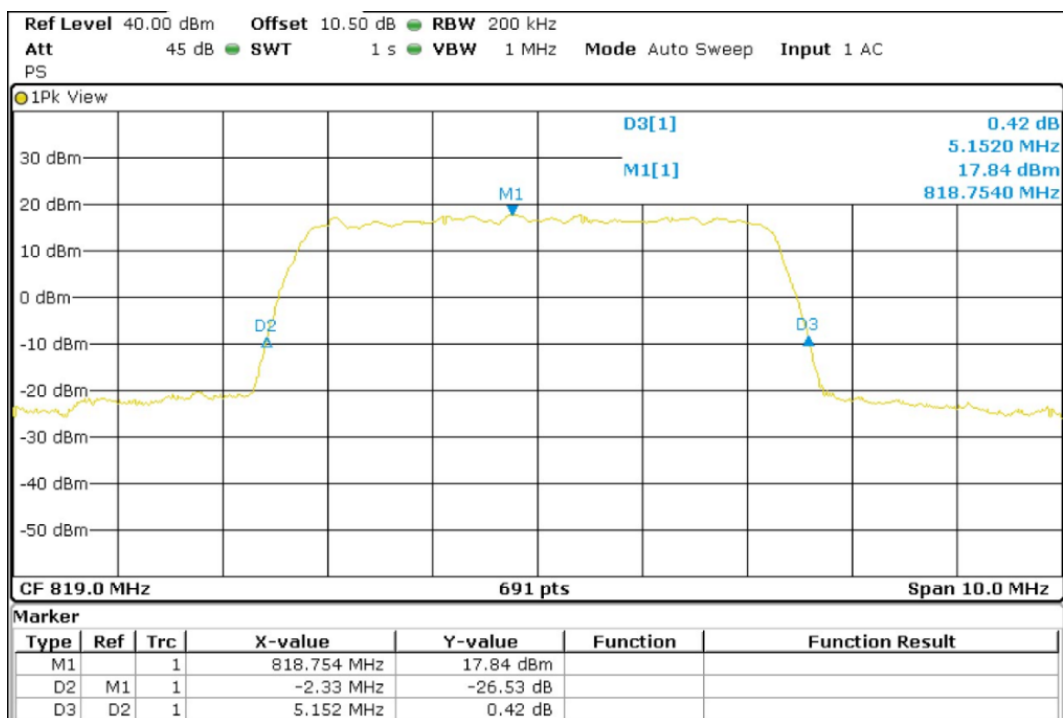


TEST RESULTS (Cont):

Middle Channel 99% Occupied Bandwidth

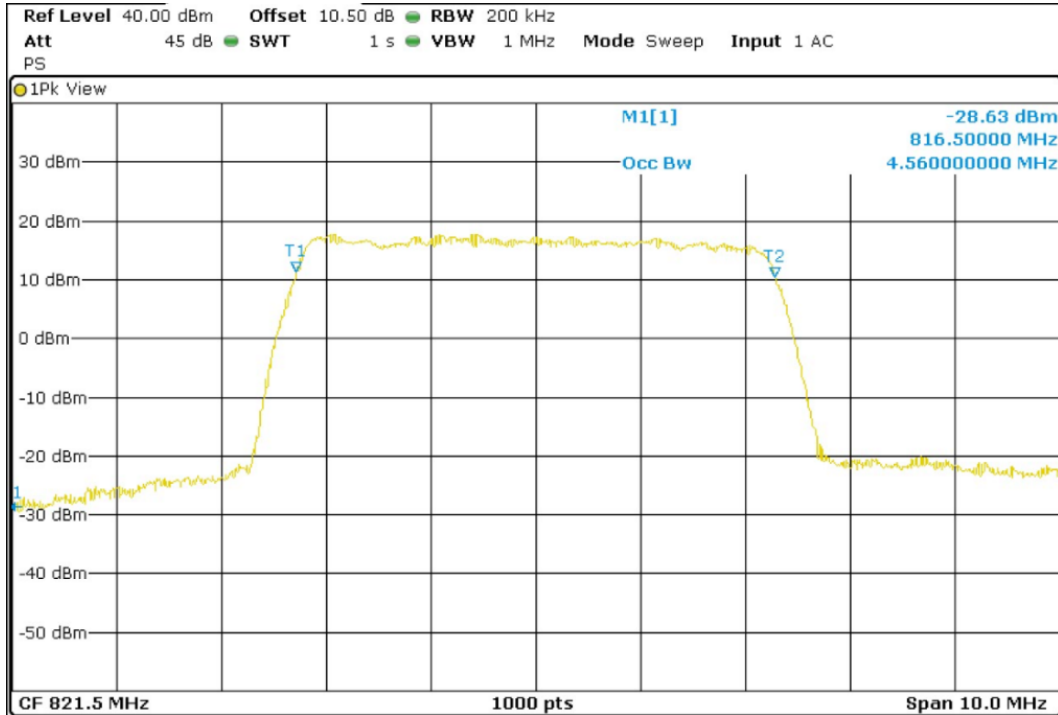


Middle Channel 26dBc Bandwidth kHz

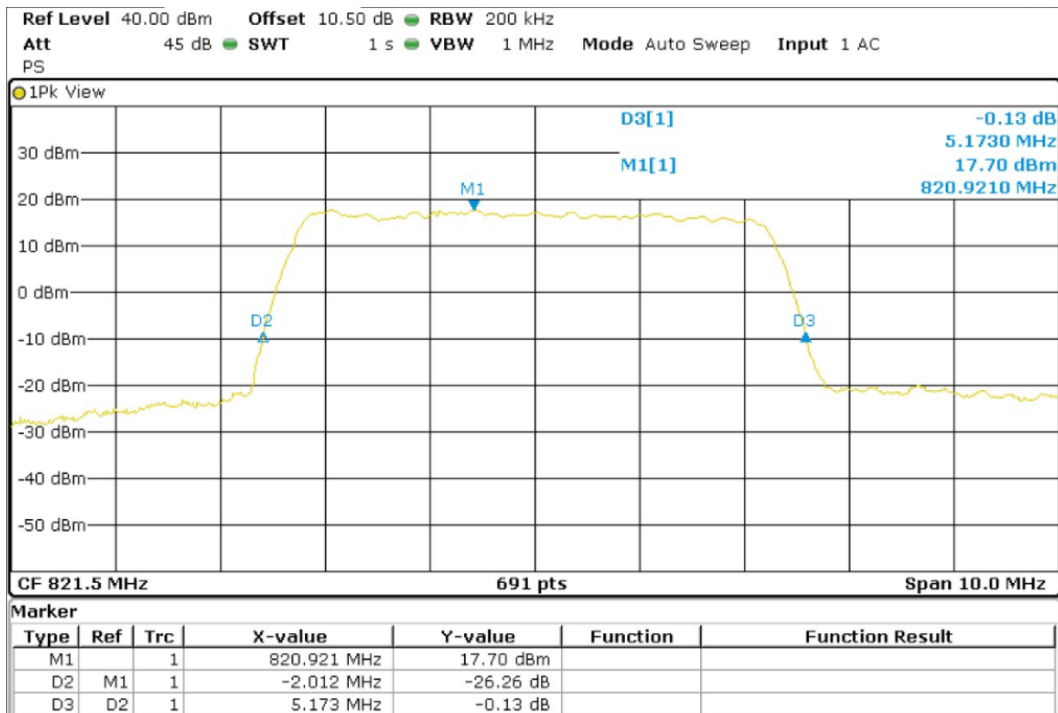


TEST RESULTS (Cont):

Highest Channel 99% Occupied Bandwidth



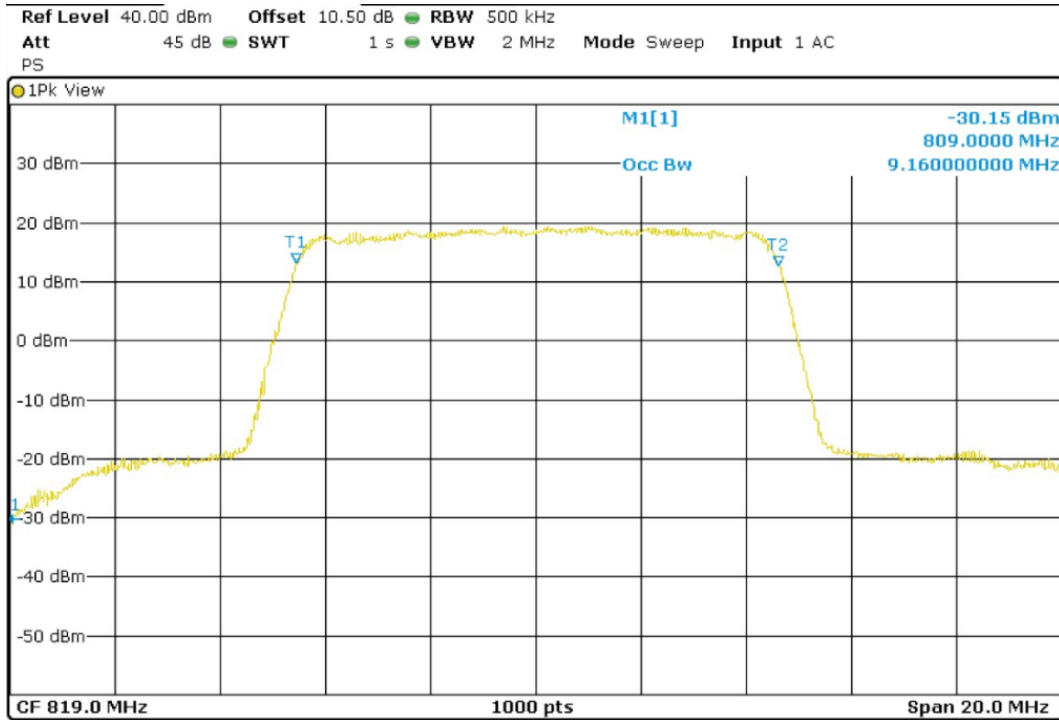
Highest Channel 26dBc Bandwidth kHz



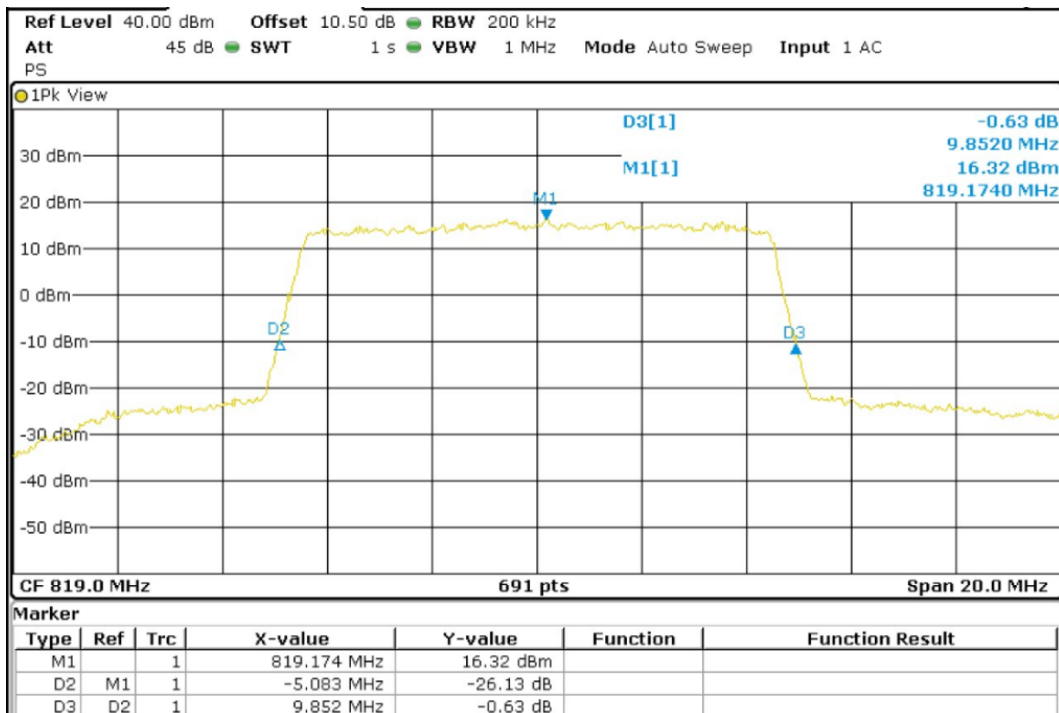
TEST RESULTS (Cont):

LTE QPSK MODULATION. BW = 10 MHz

99% Occupied Bandwidth



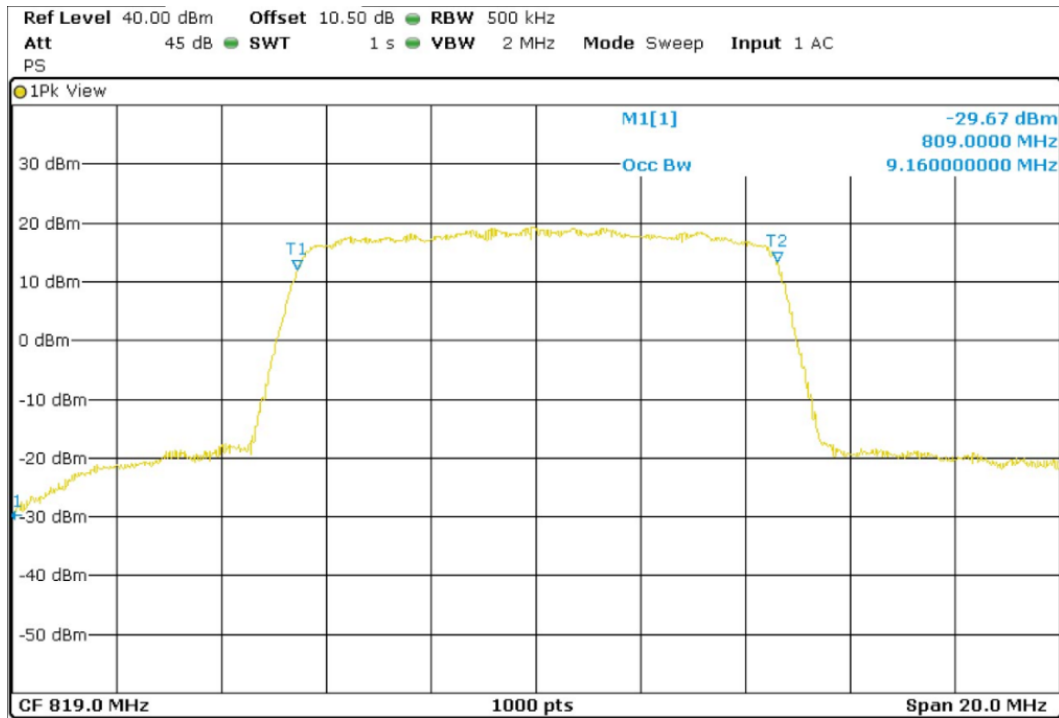
-26dBc Bandwidth kHz



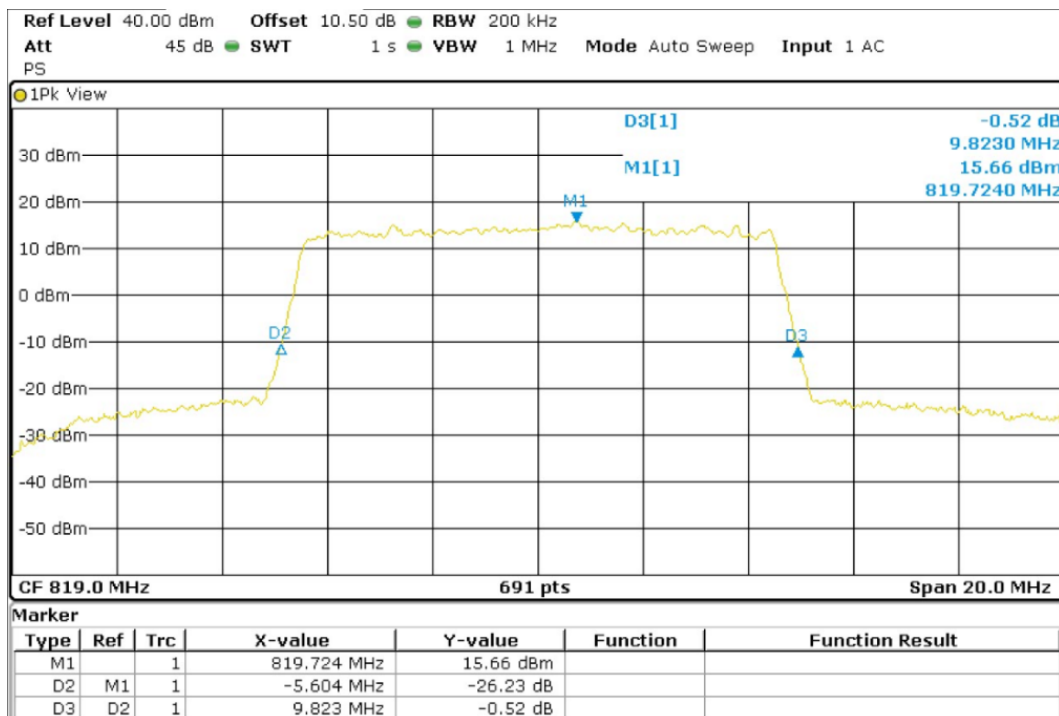
TEST RESULTS (Cont):

LTE 16 QAM MODULATION. BW = 10 MHz

99% Occupied Bandwidth



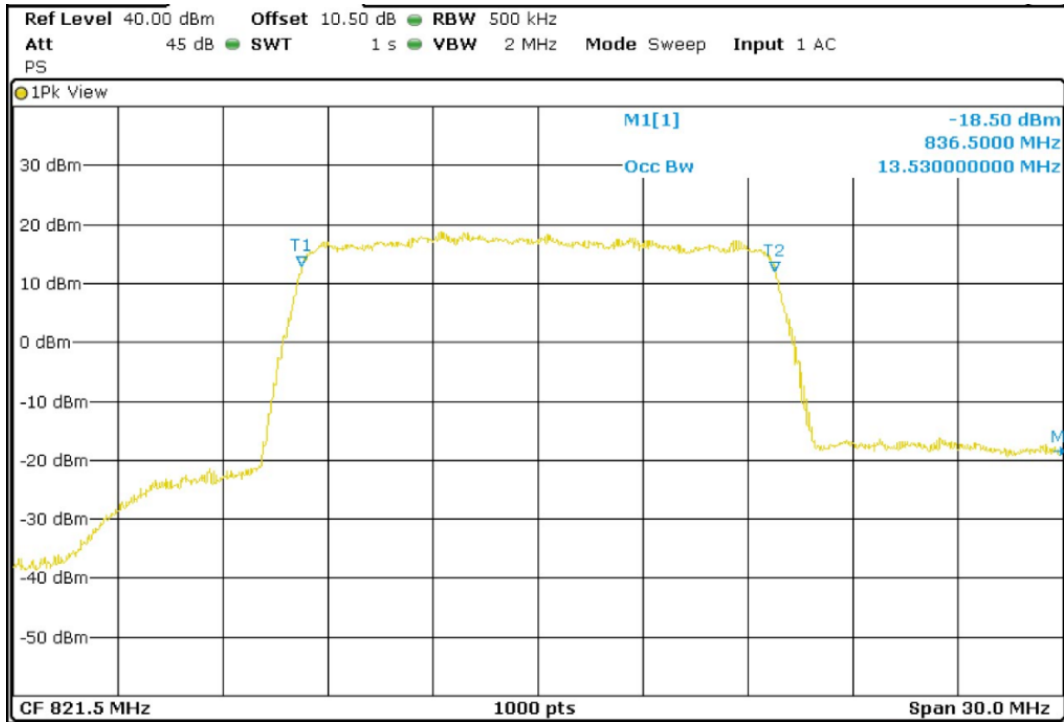
-26dBc Bandwidth kHz



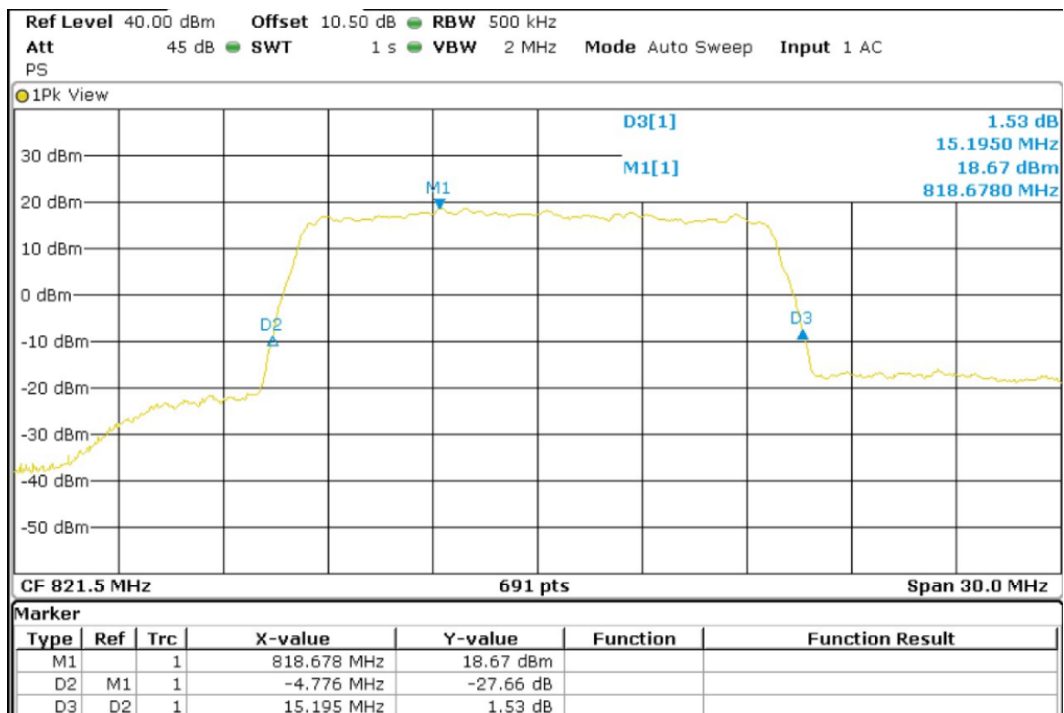
TEST RESULTS (Cont):

LTE QPSK MODULATION. BW = 15 MHz

99% Occupied Bandwidth



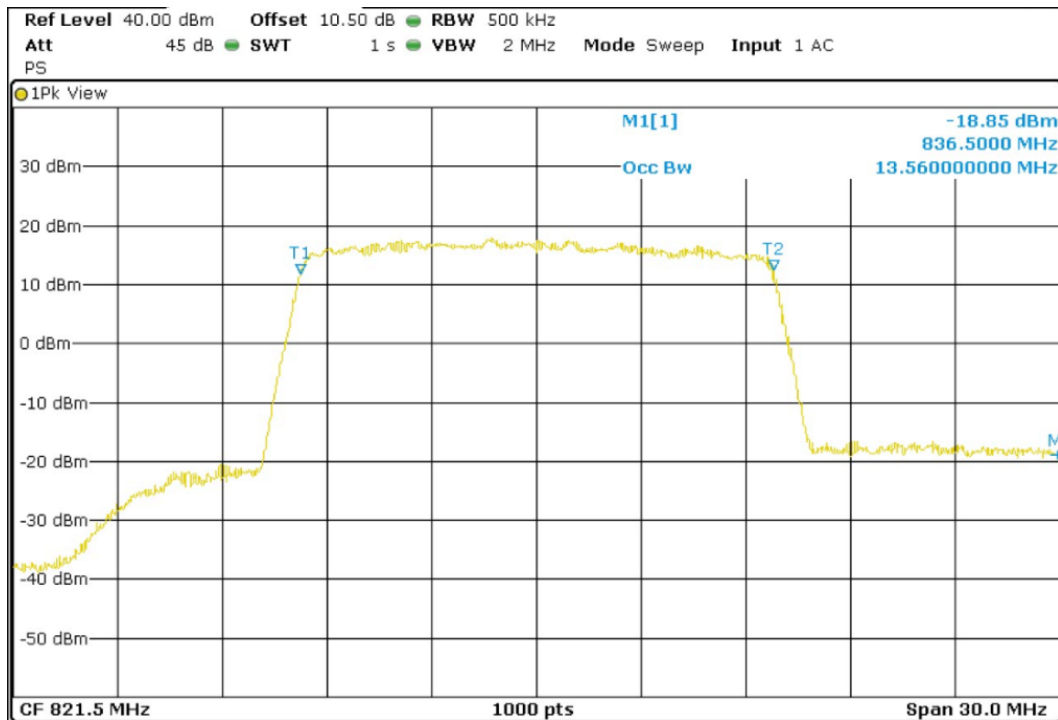
26dBc Bandwidth kHz



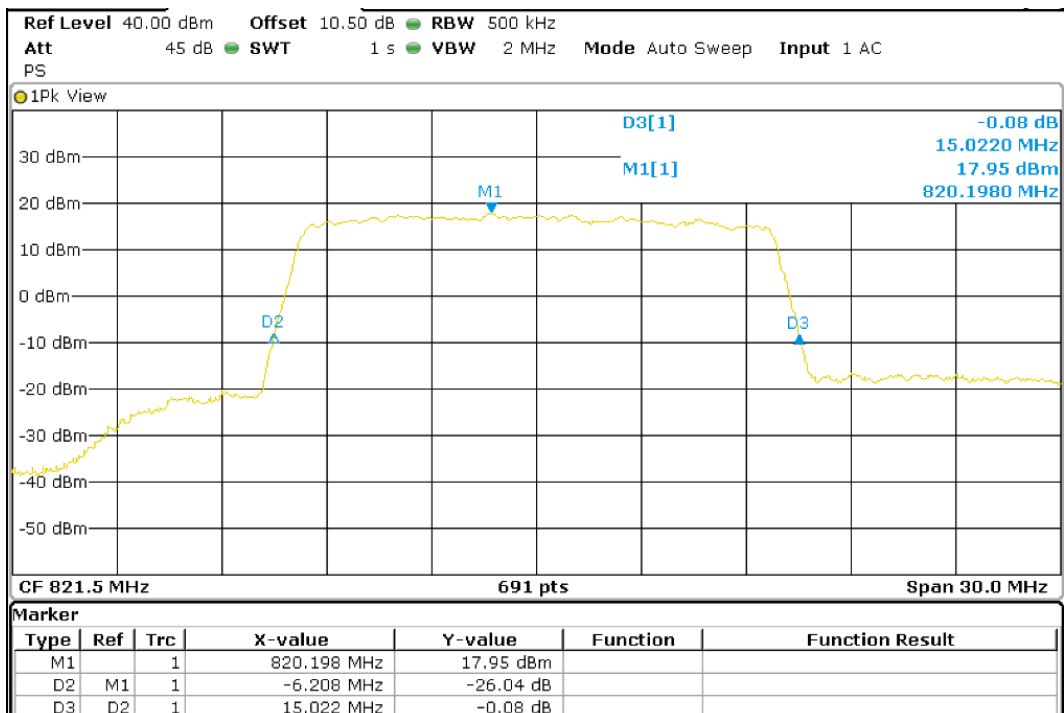
TEST RESULTS (Cont):

LTE 16QAM MODULATION. BW = 15 MHz

99% Occupied Bandwidth



26dBc Bandwidth kHz



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02
TEST RESULTS:	PASS

LTE QPSK MODULATION. BW = 1.4 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	1.11

LTE 16QAM MODULATION. BW = 1.4 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	1.11

LTE QPSK MODULATION. BW = 3 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	2.70

LTE 16QAM MODULATION. BW = 3 MHz

Frequency	824.0
99% Occupied bandwidth (MHz)	2.69

LTE QPSK MODULATION. BW = 5 MHz

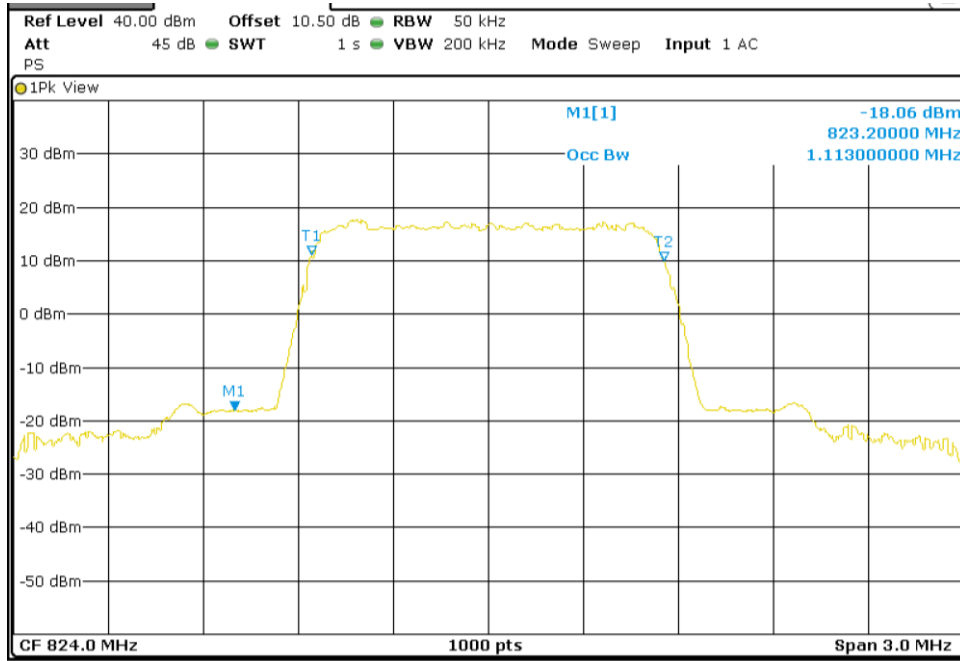
Frequency	824.0
99% Occupied bandwidth (MHz)	4.52

TEST RESULTS (Cont):	
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

TEST RESULTS (Cont):

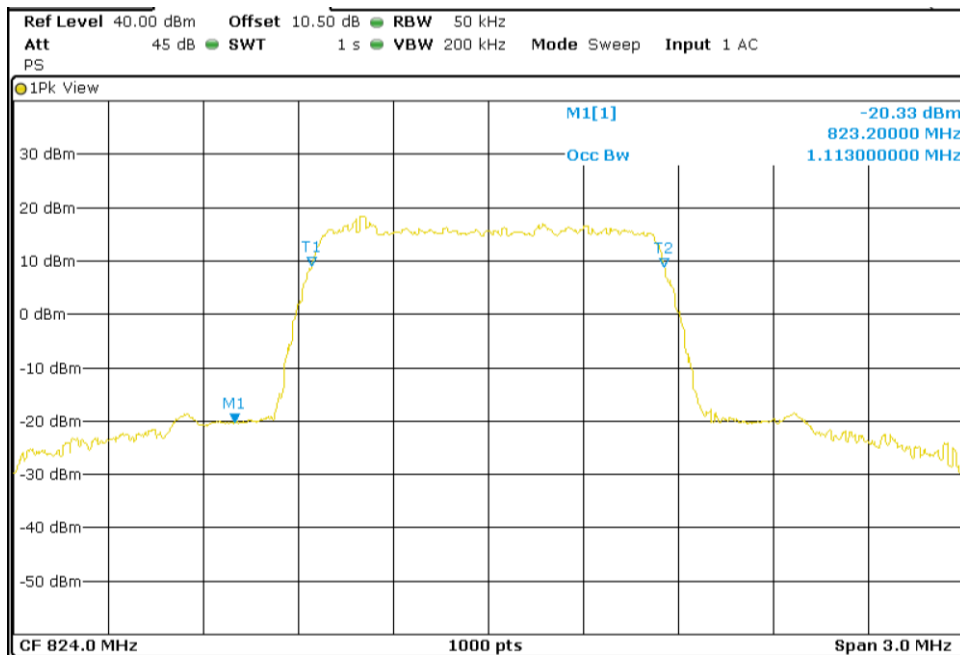
LTE QPSK MODULATION. BW = 1.4 MHz

99% Occupied Bandwidth



LTE 16QAM MODULATION. BW = 1.4 MHz

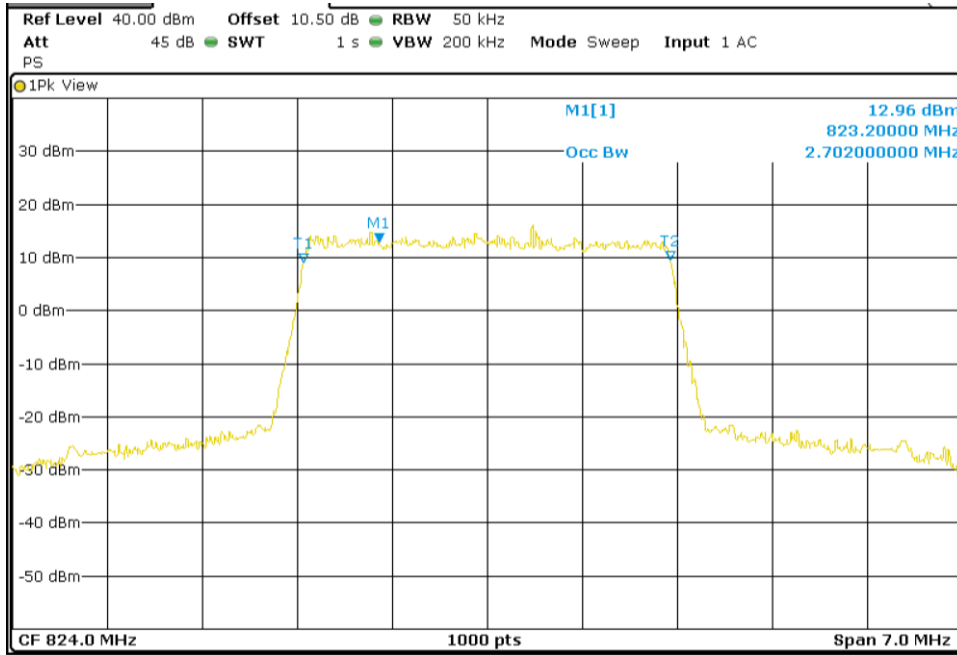
99% Occupied Bandwidth



TEST RESULTS (Cont):

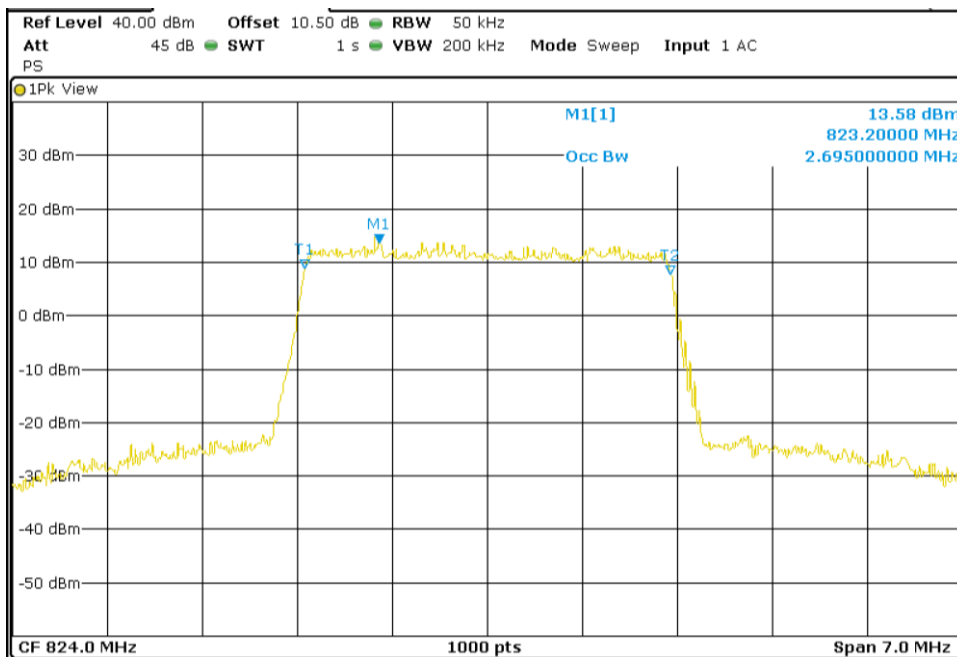
LTE QPSK MODULATION. BW = 3 MHz

99% Occupied Bandwidth



LTE 16QAM MODULATION. BW = 3 MHz

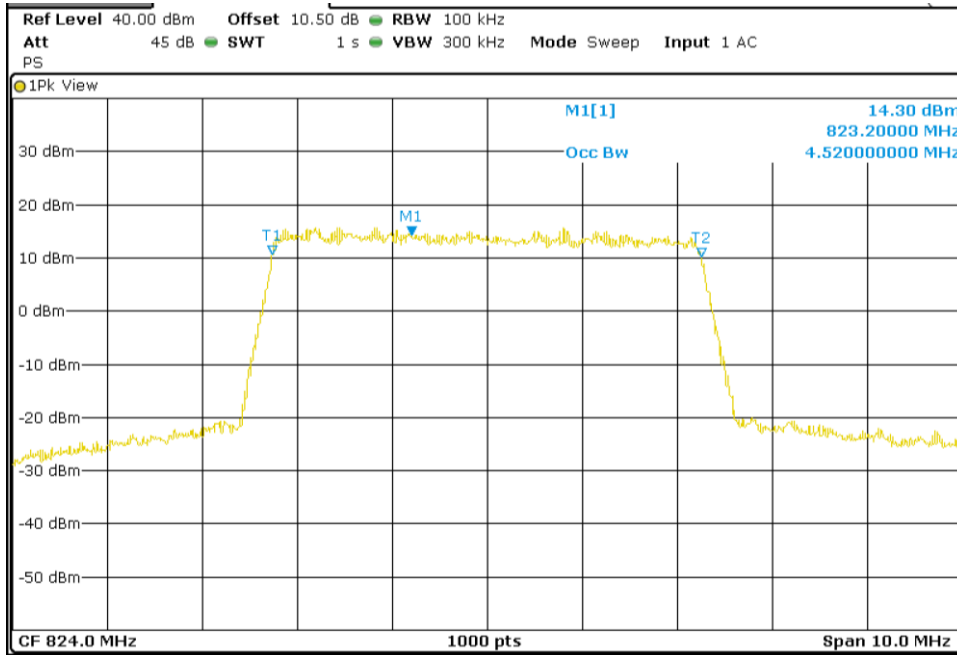
99% Occupied Bandwidth



TEST RESULTS (Cont):

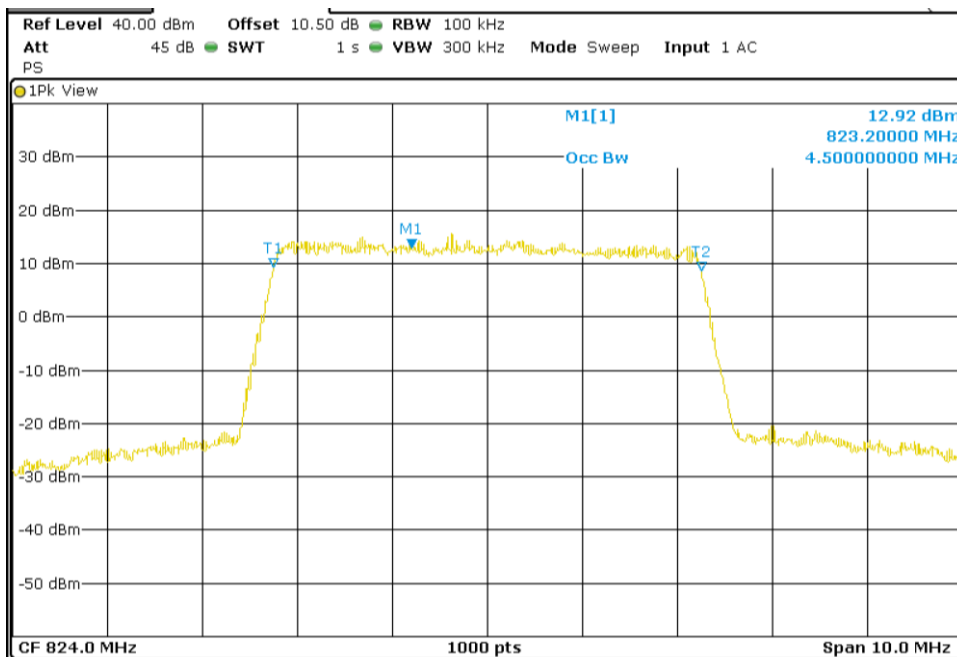
LTE QPSK MODULATION. BW = 5 MHz

99% Occupied Bandwidth



LTE 16QAM MODULATION. BW = 5 MHz

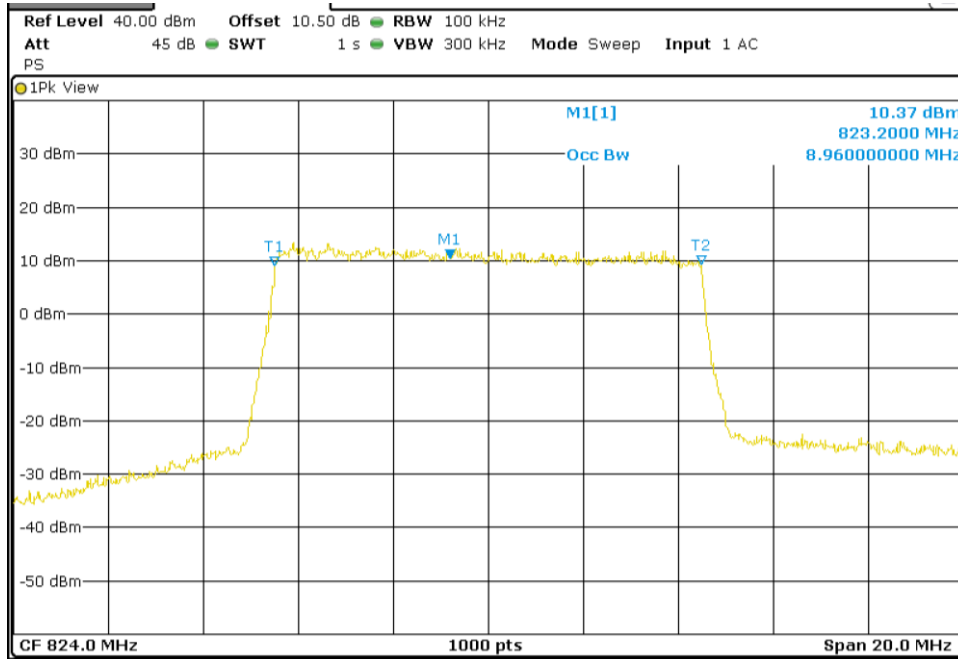
99% Occupied Bandwidth



TEST RESULTS (Cont):

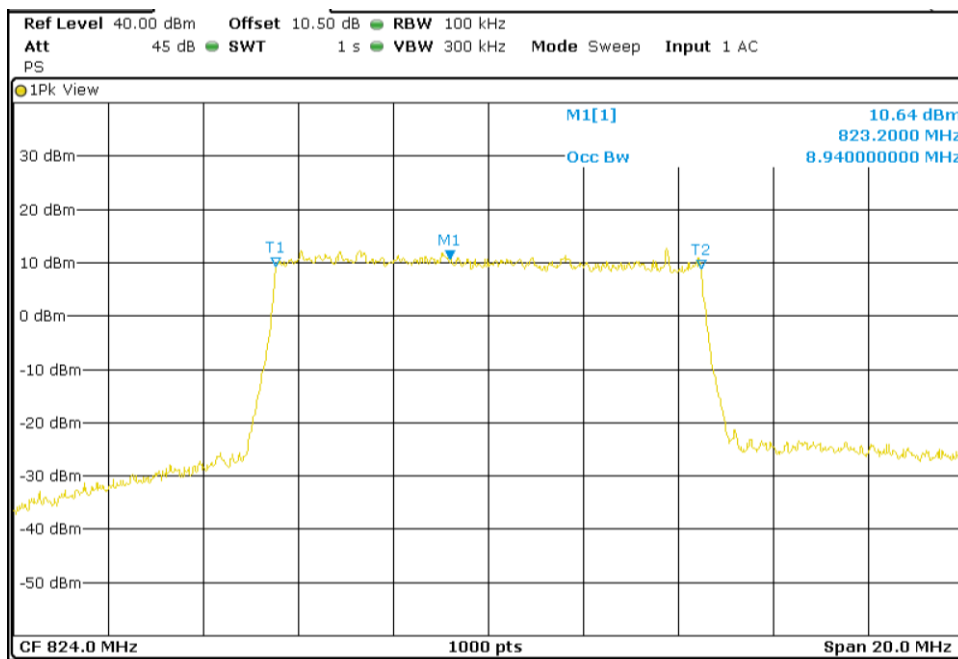
LTE QPSK MODULATION. BW = 10 MHz

99% Occupied Bandwidth



LTE 16QAM MODULATION. BW = 10 MHz

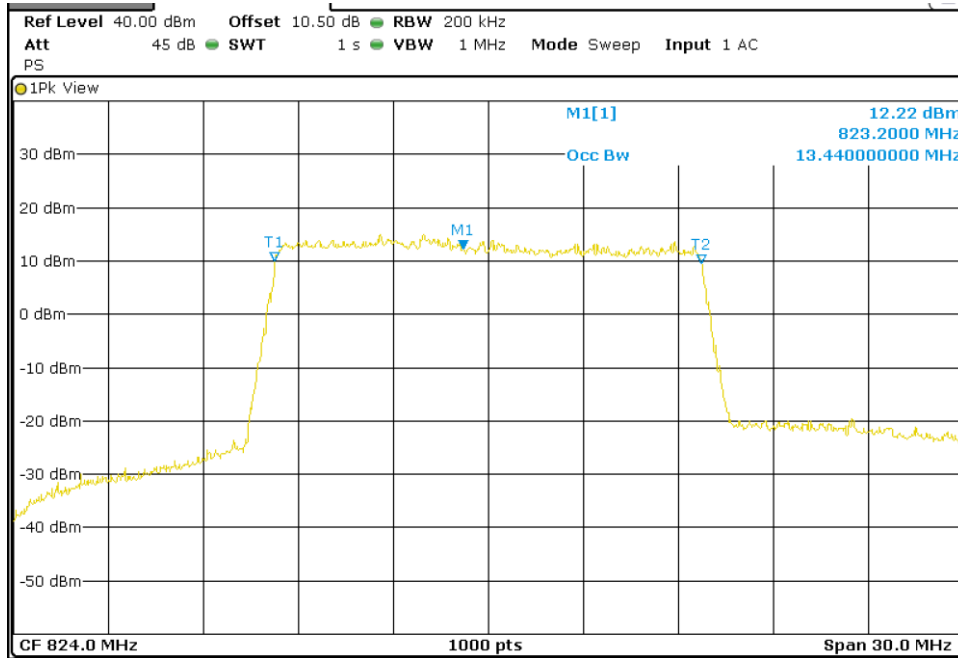
99% Occupied Bandwidth



TEST RESULTS (Cont):

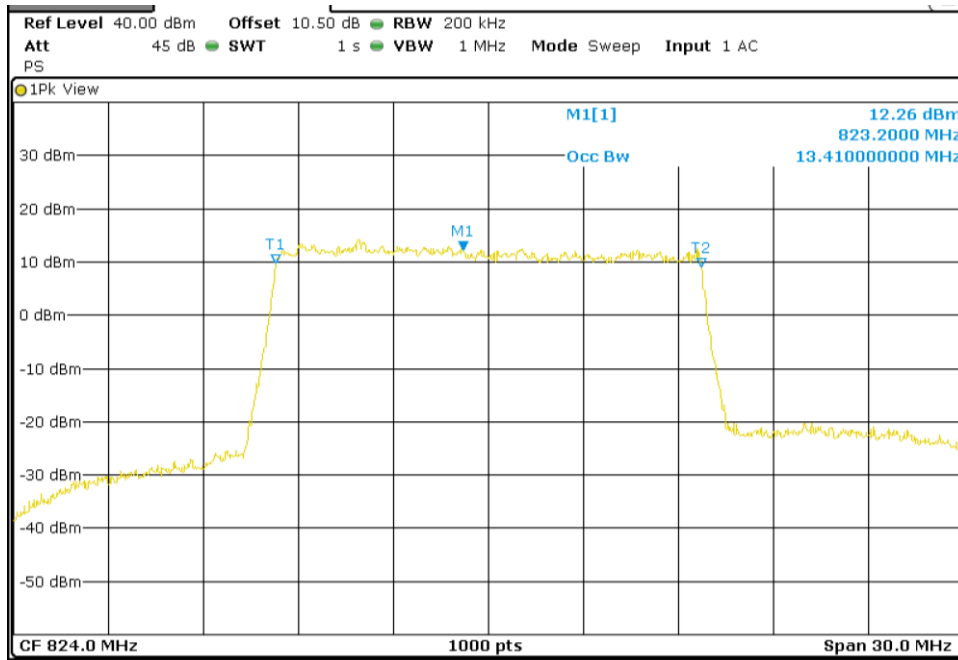
LTE QPSK MODULATION. BW = 15 MHz

99% Occupied Bandwidth



LTE 16QAM MODULATION. BW = 15 MHz

99% Occupied Bandwidth



TEST A.4: SPURIOUS EMISSIONS AT ANTENNA TERMINALS

LIMITS:	Product standard:	FCC Part 90
	Test standard:	FCC §2.1051 and § 90.691.

LIMITS

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. P in watts.

At P_o transmitting power of 2 watts (33 dBm), the specified minimum attenuation becomes $43+10\log (P_o)$. and the level in dBm relative to P_o becomes:

$$P_o \text{ (dBm)} - [43 + 10 \log (P_o \text{ in watts})] = -13 \text{ dBm}$$

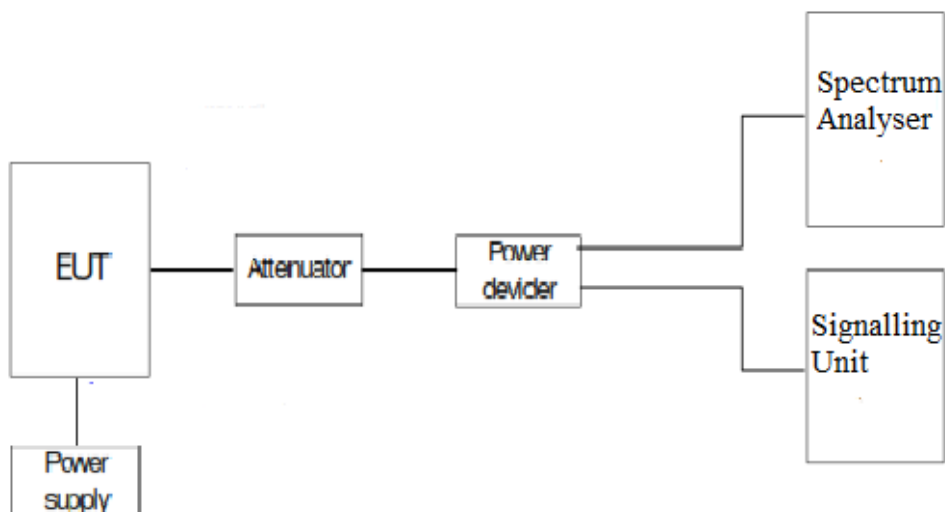
TEST SETUP

The EUT RF output connector was connected to a spectrum analyzer and to the Universal Radio Communication Tester R&S CMW500 (selecting maximum transmission power of the EUT and different modes of modulation) using a 50-ohm attenuator and a power splitter.

The spectrum was investigated 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 configuration of Resource Blocks and modulation which is the worst case for conducted power was used.



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.