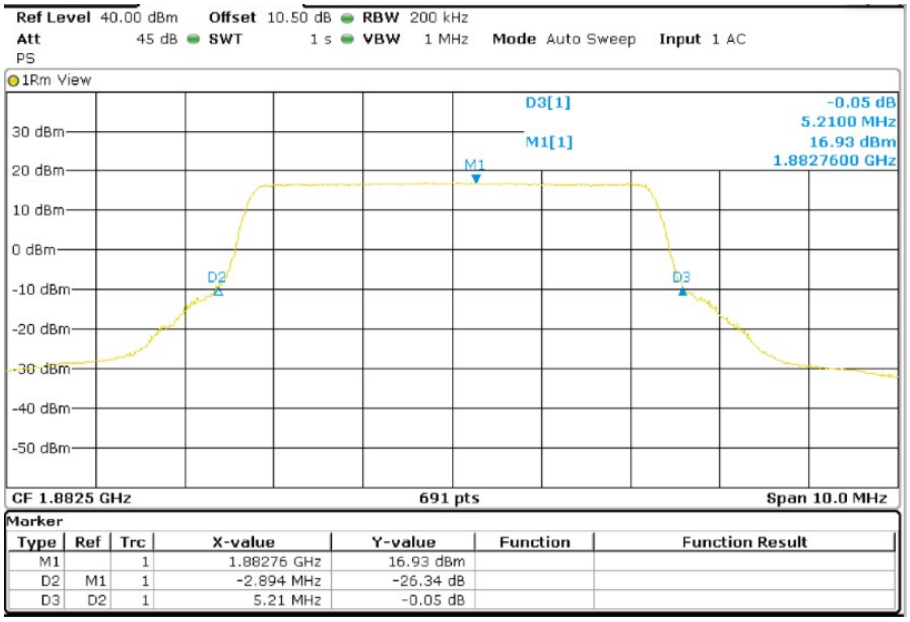
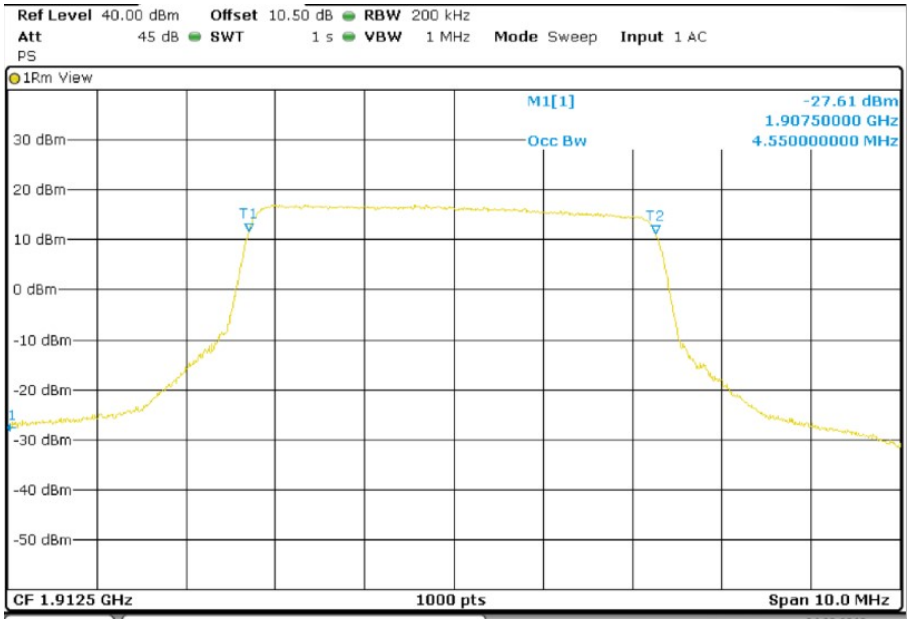
TEST RESULTS (Cont):	

Middle Channel 26dBc Bandwidth kHz

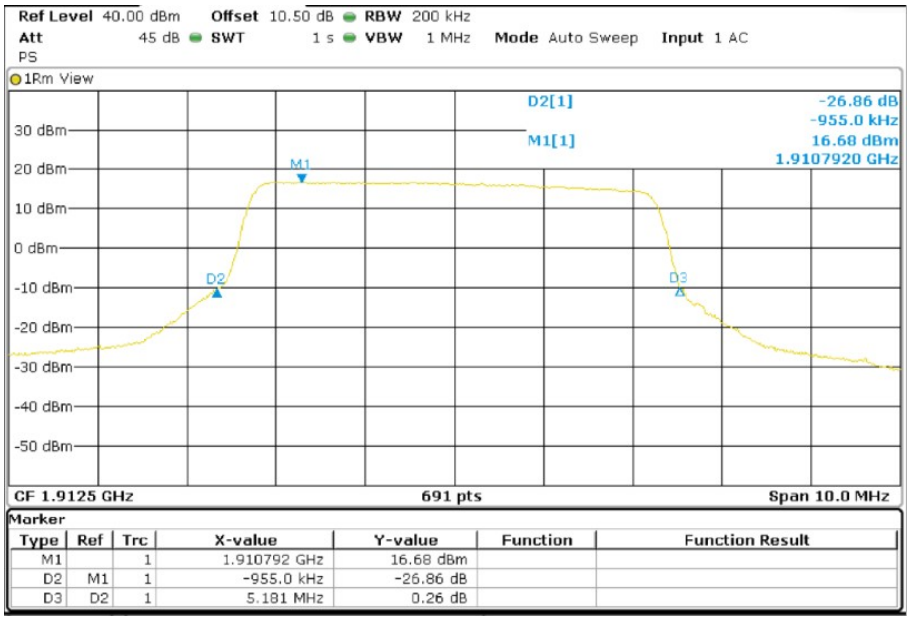


Highest Channel 99% Occupied Bandwidth



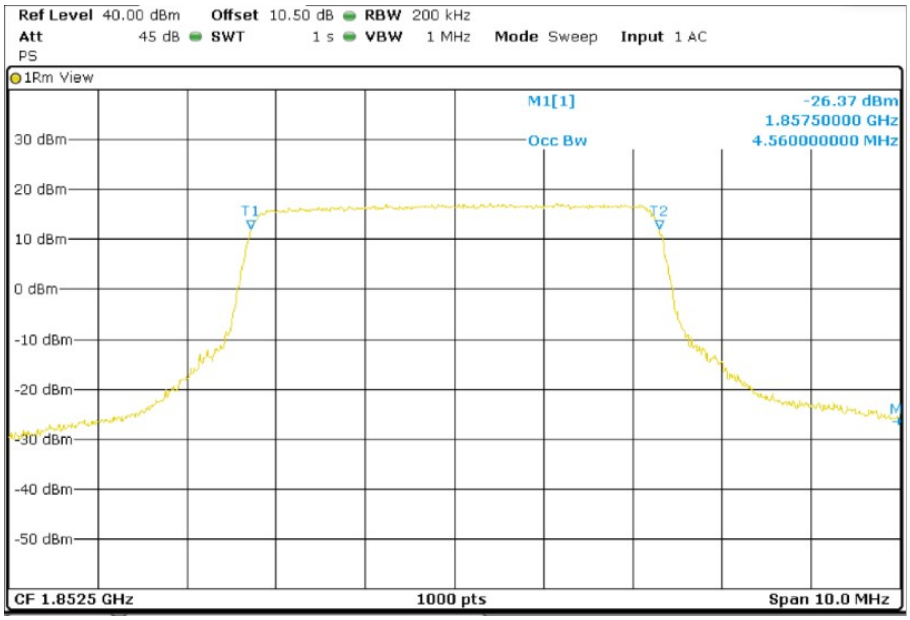
TEST RESULTS (Cont):	

Highest Channel 26dBc Bandwidth kHz



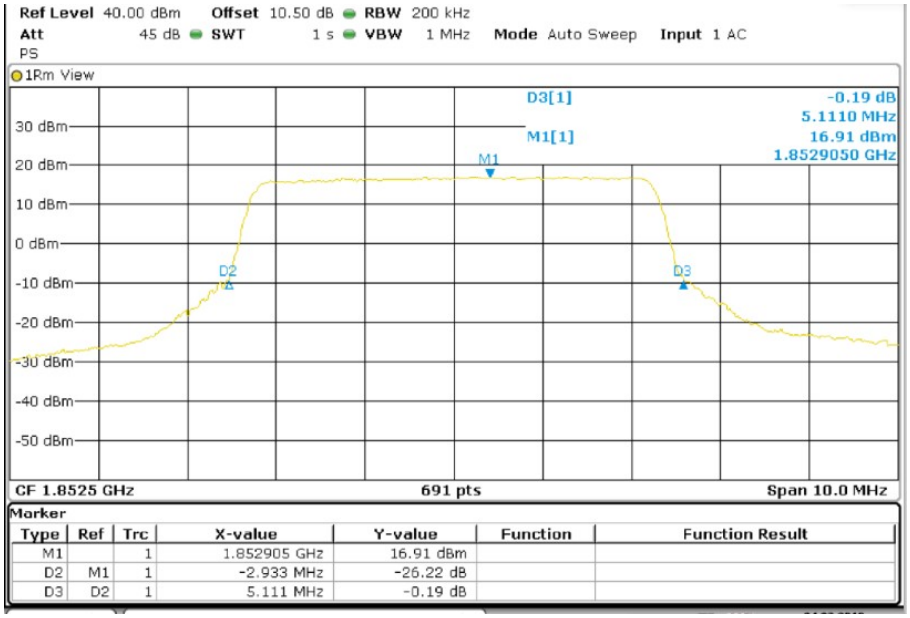
LTE 16QAM MODULATION. BW = 5 MHz

Lowest Channel 99% Occupied Bandwidth

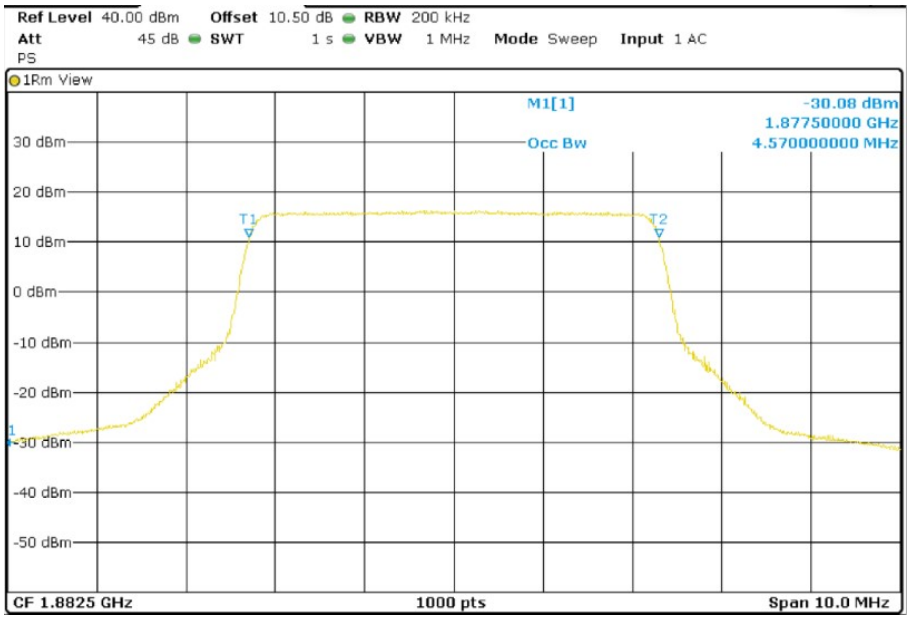


TEST RESULTS (Cont):	

Lowest Channel 26dBc Bandwidth kHz

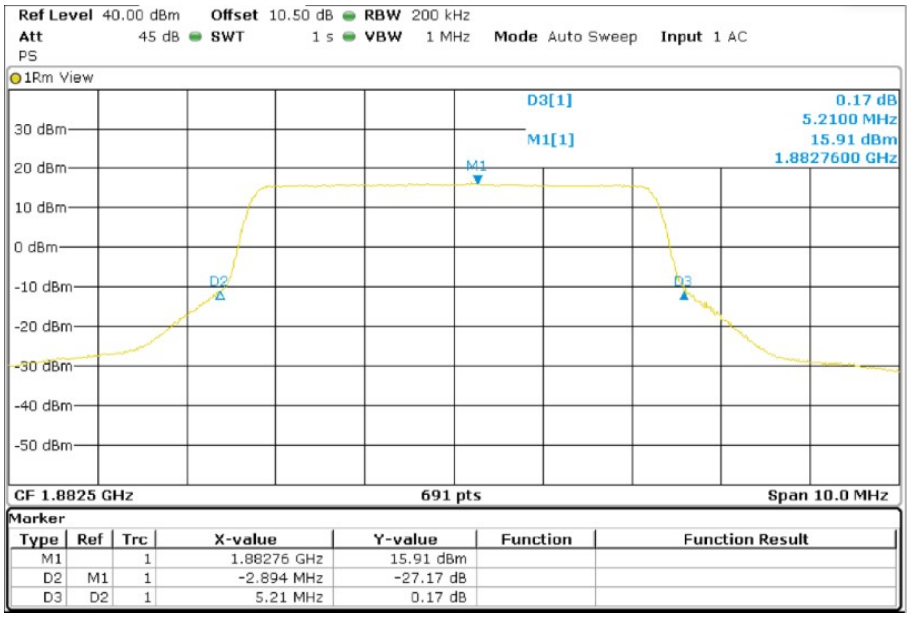


Middle Channel 99% Occupied Bandwidth

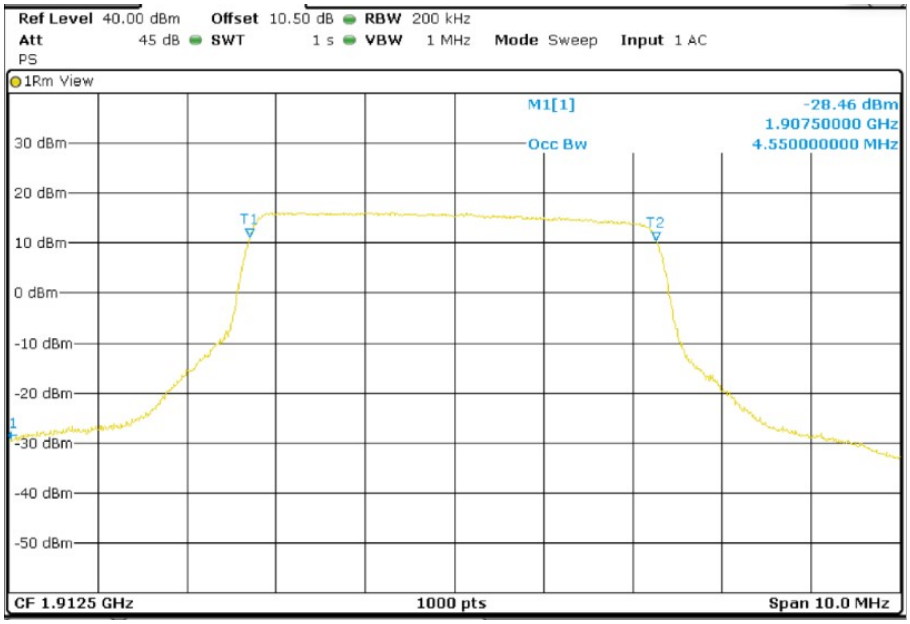


TEST RESULTS (Cont):	

Middle Channel 26dBc Bandwidth kHz

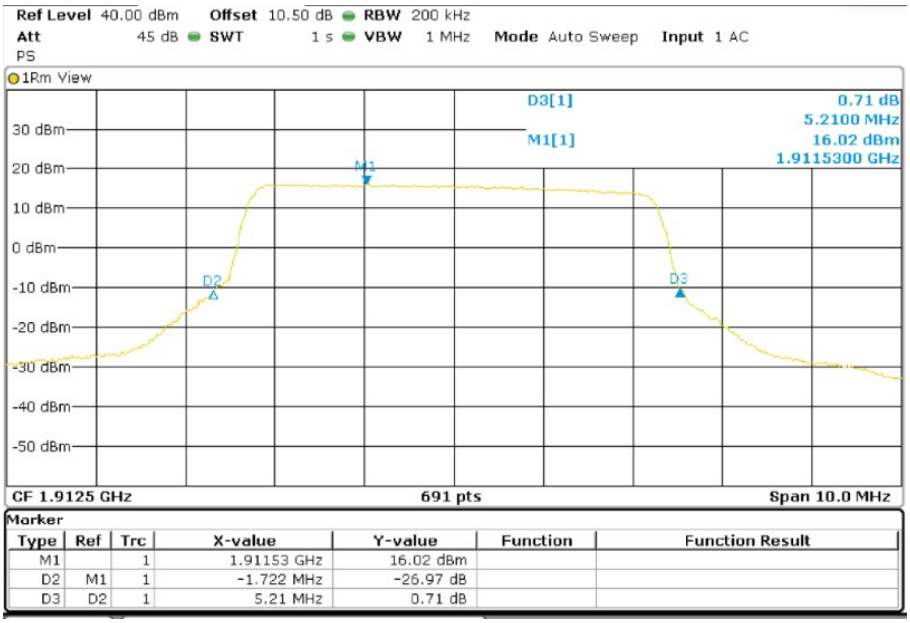


Highest Channel 99% Occupied Bandwidth



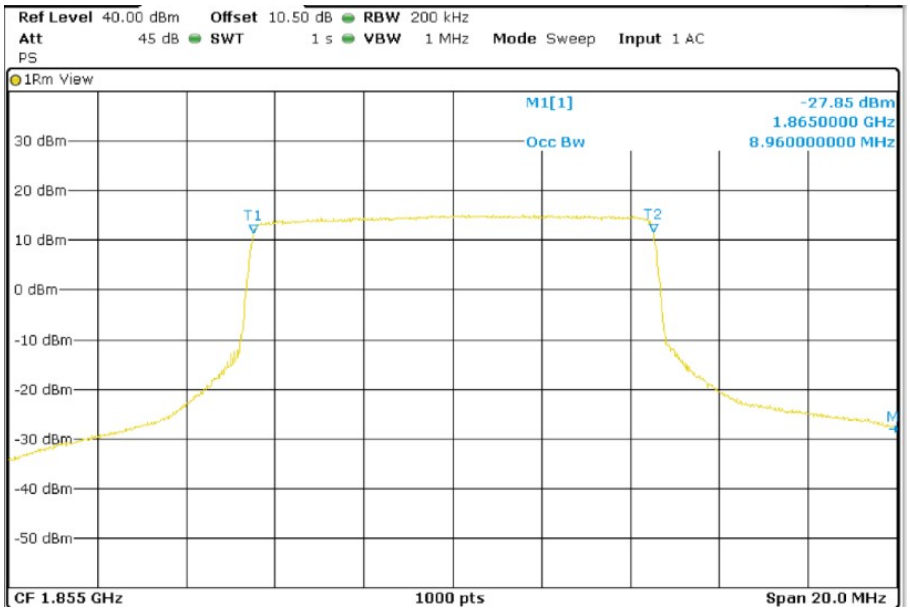
TEST RESULTS (Cont):	

Highest Channel 26dBc Bandwidth kHz



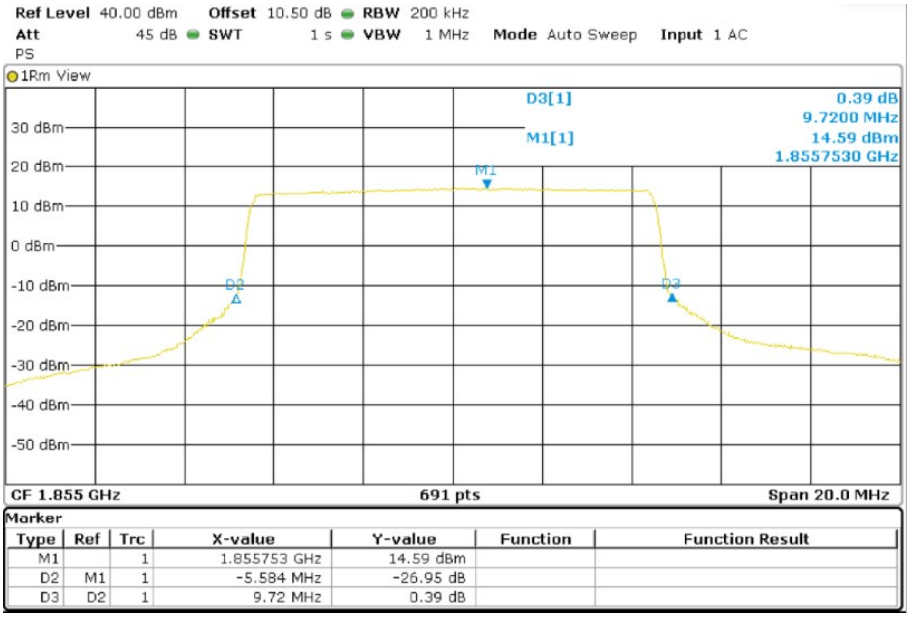
LTE QPSK MODULATION. BW = 10 MHz

Lowest Channel 99% Occupied Bandwidth

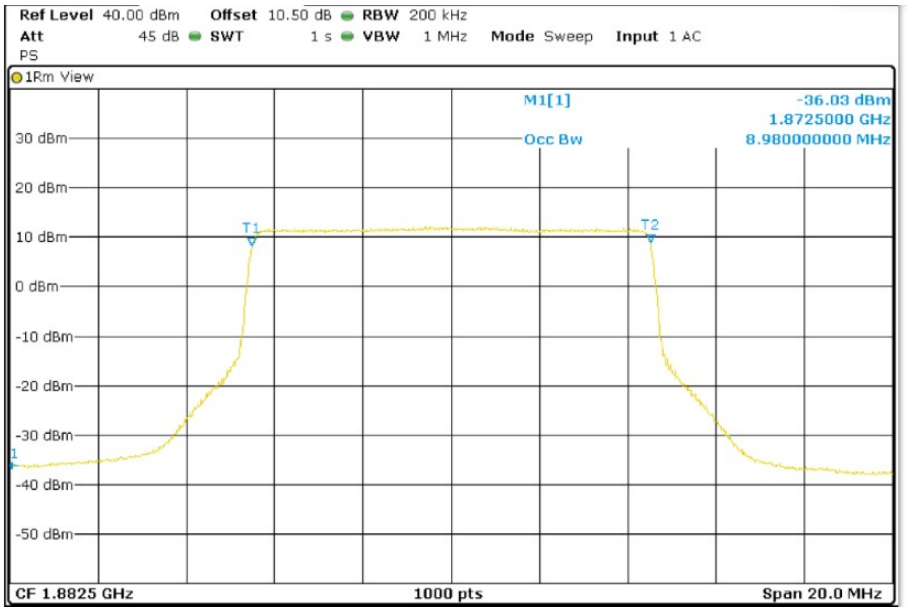


TEST RESULTS (Cont):	

Lowest Channel 26dBc Bandwidth kHz

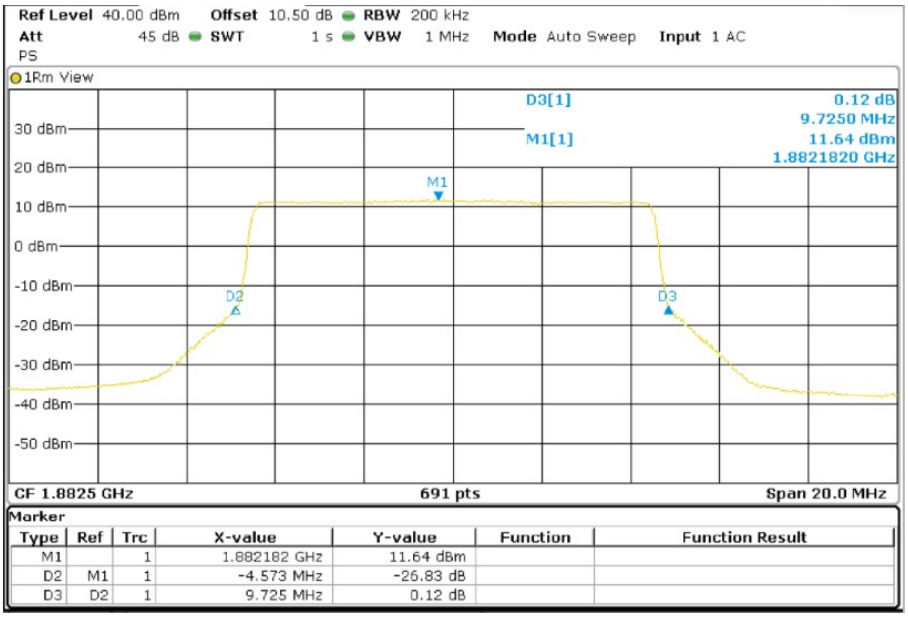


Middle Channel 99% Occupied Bandwidth

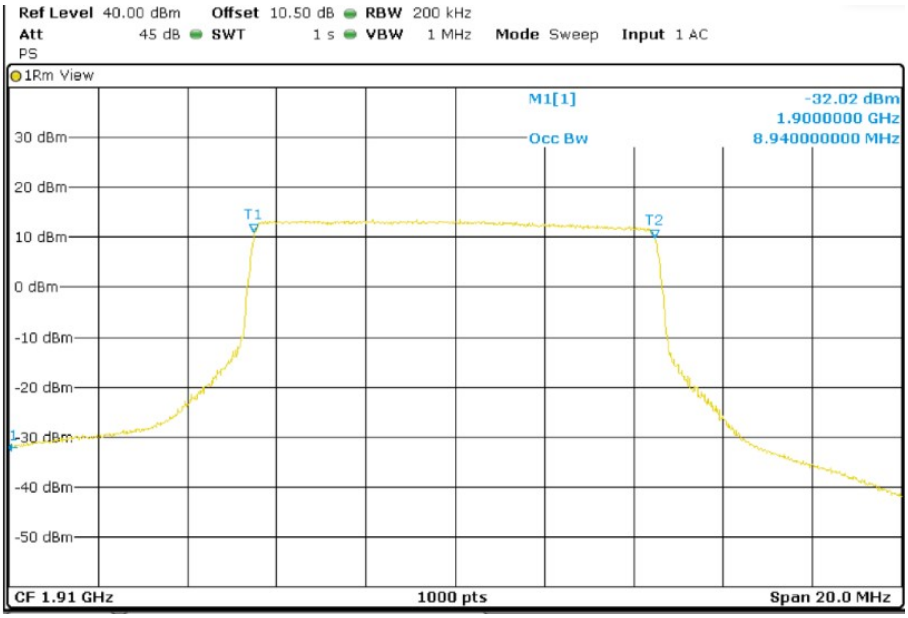


TEST RESULTS (Cont):	

Middle Channel 26dBc Bandwidth kHz

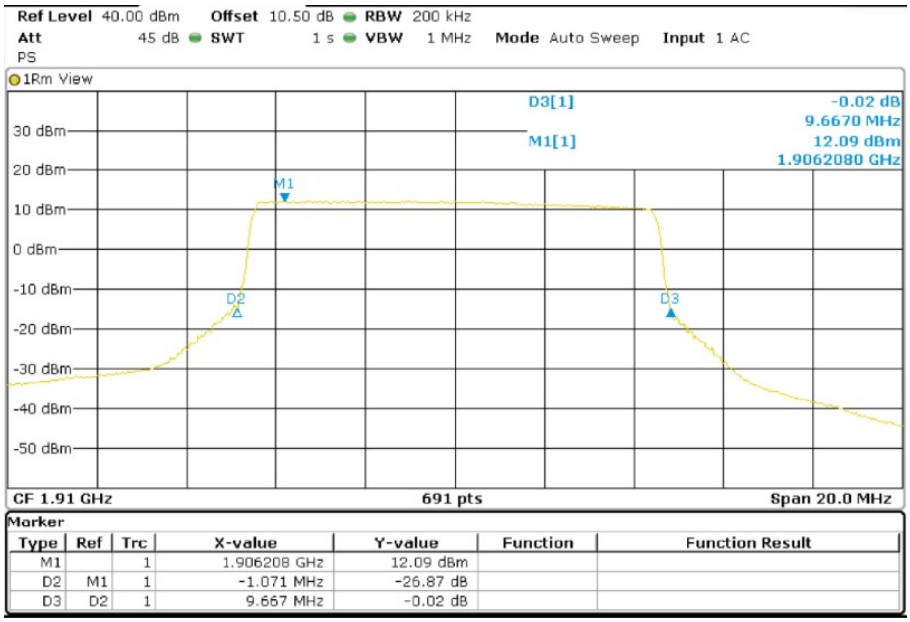


Highest Channel 99% Occupied Bandwidth



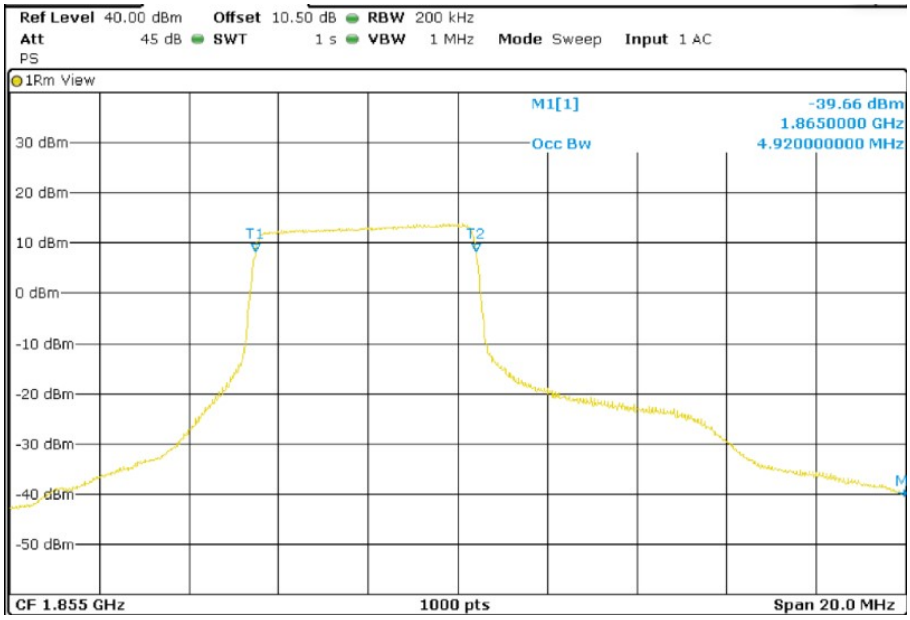
TEST RESULTS (Cont):	

Highest Channel 26dBc Bandwidth kHz



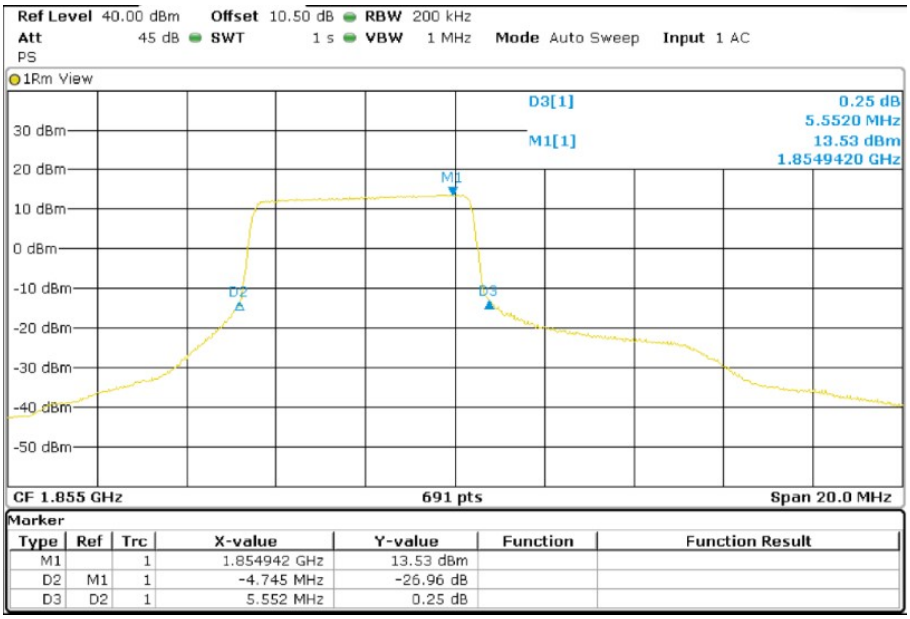
LTE 16QAM MODULATION. BW = 10 MHz

Lowest Channel 99% Occupied Bandwidth

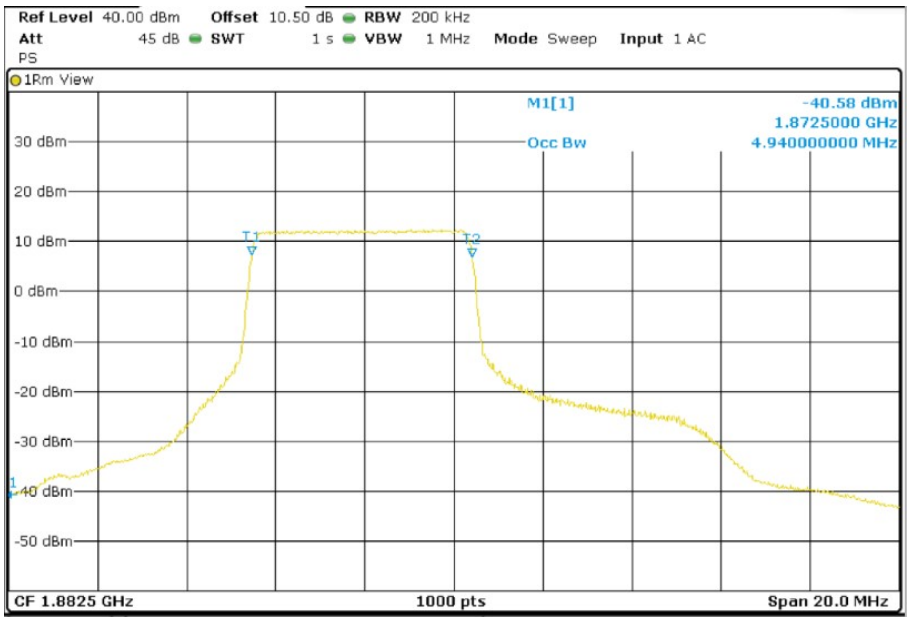


TEST RESULTS (Cont):	

Lowest Channel 26dBc Bandwidth kHz

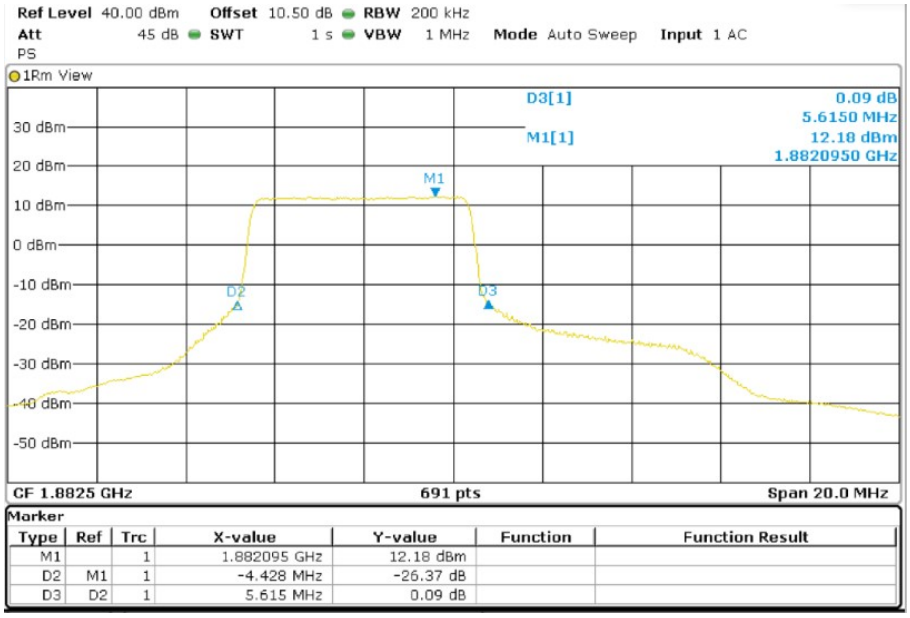


Middle Channel 99% Occupied Bandwidth

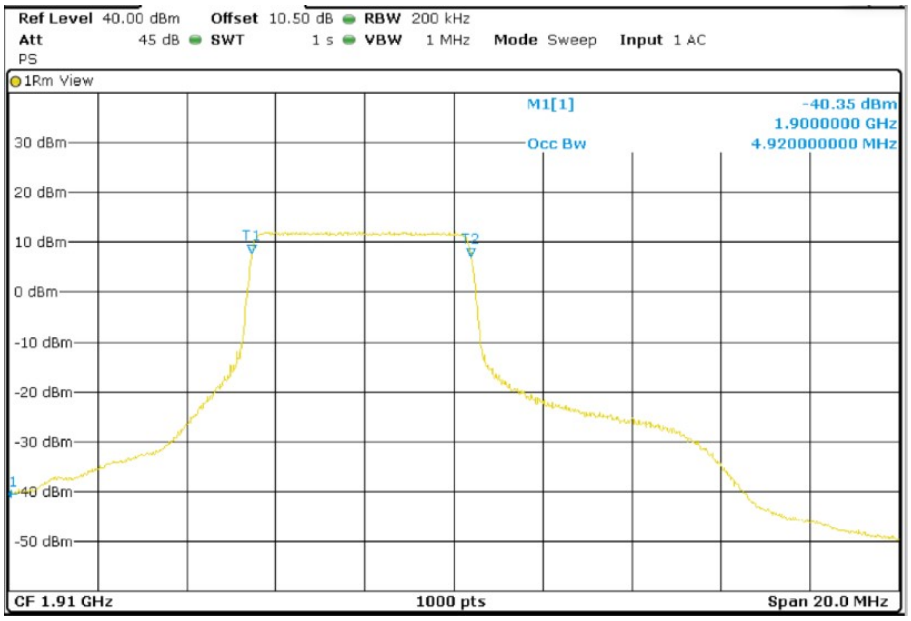


TEST RESULTS (Cont):	

Middle Channel 26dBc Bandwidth kHz

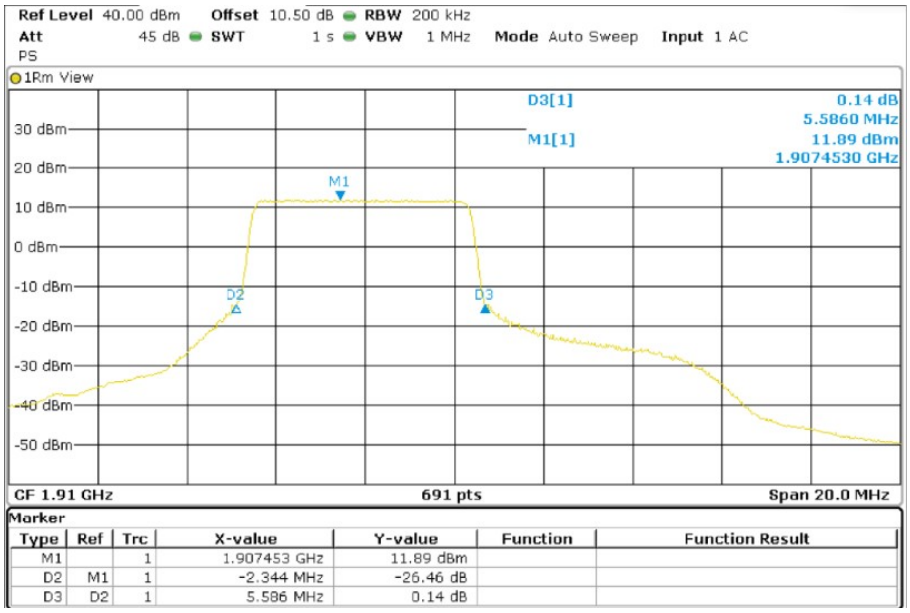


Highest Channel 99% Occupied Bandwidth



TEST RESULTS (Cont):	

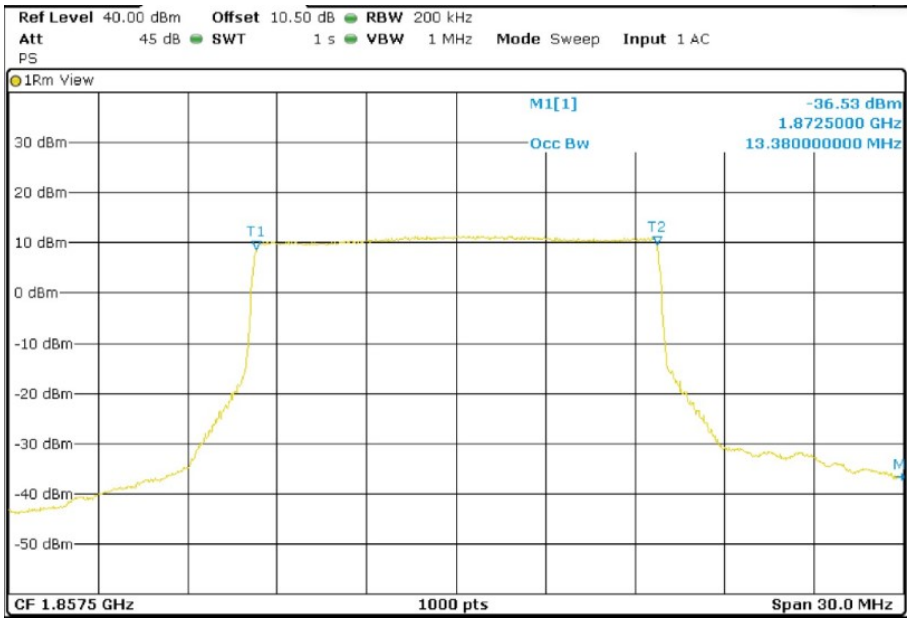
Highest Channel 26dBc Bandwidth kHz



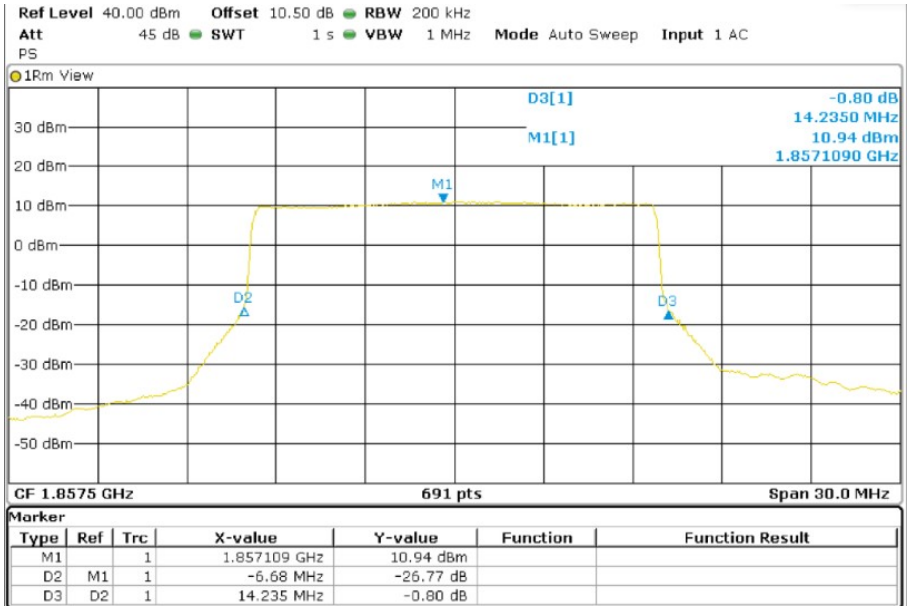
TEST RESULTS (Cont):	

LTE QPSK MODULATION. BW = 15 MHz

Lowest Channel 99% Occupied Bandwidth

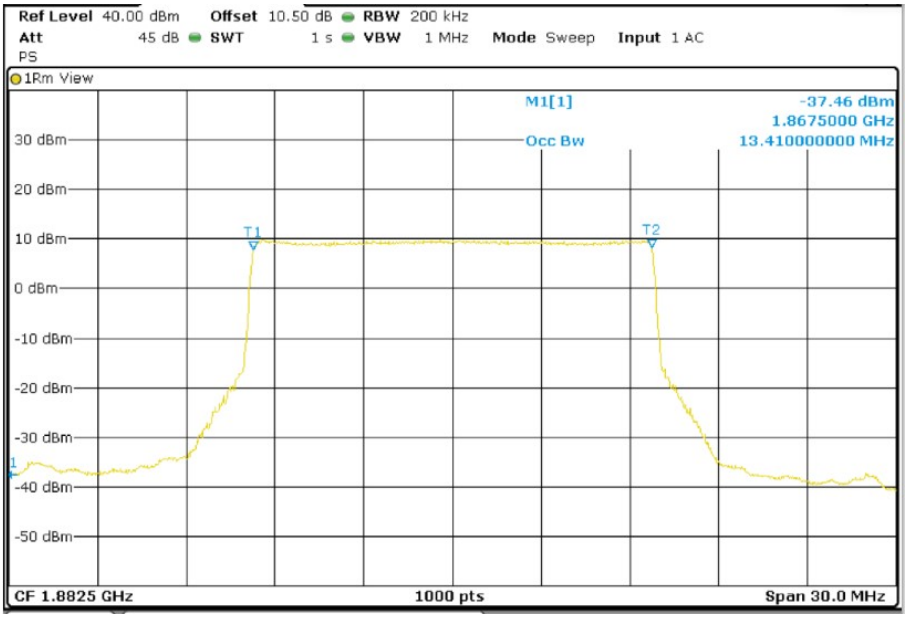


Lowest Channel 26dBc Bandwidth kHz

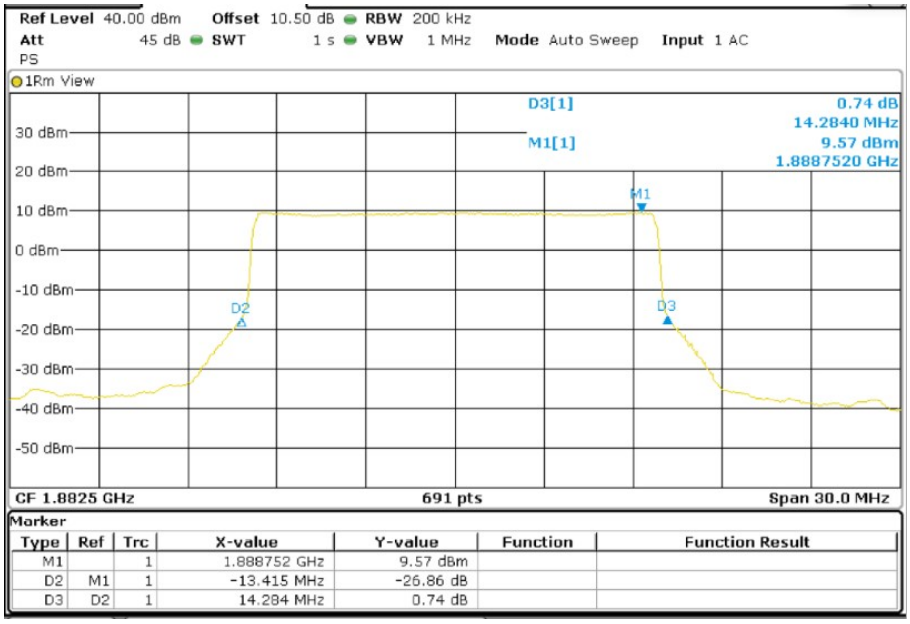


TEST RESULTS (Cont):	

Middle Channel 99% Occupied Bandwidth

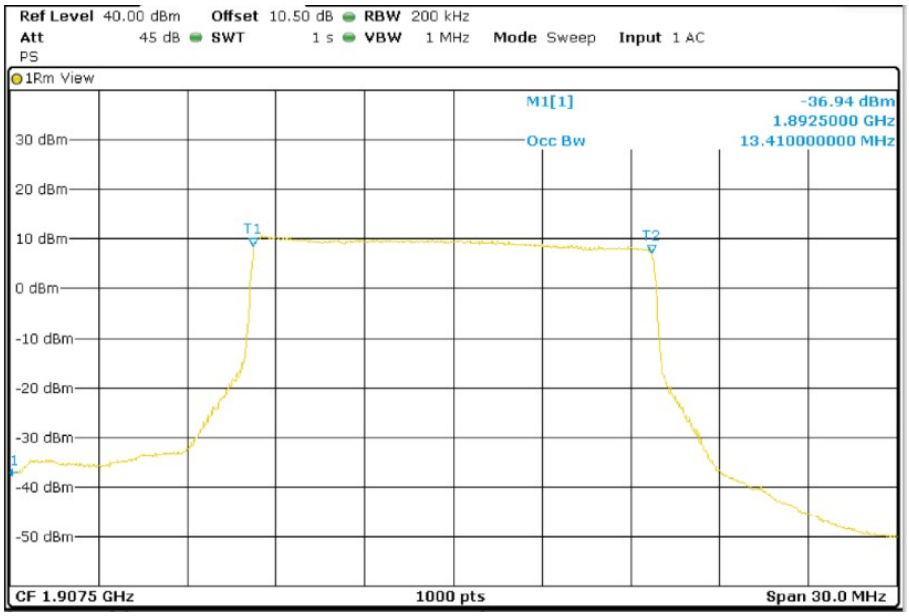


Middle Channel 26dBc Bandwidth kHz

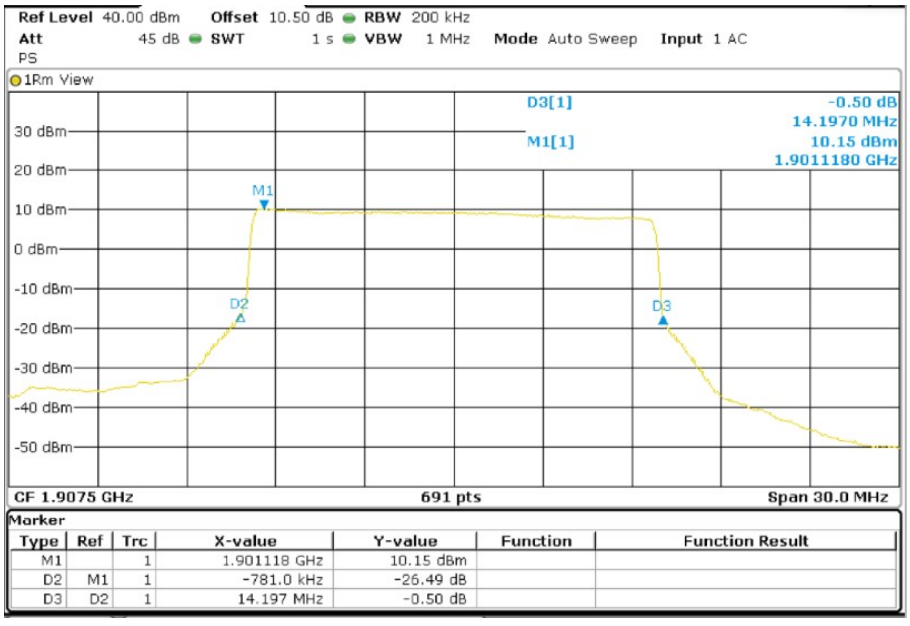


TEST RESULTS (Cont):	

Highest Channel 99% Occupied Bandwidth



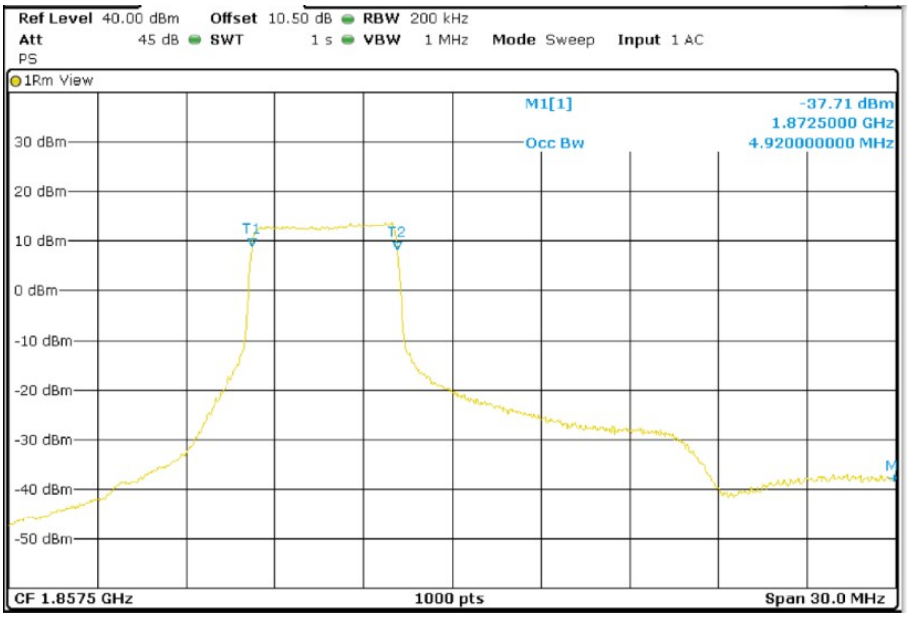
Highest Channel 26dBc Bandwidth kHz



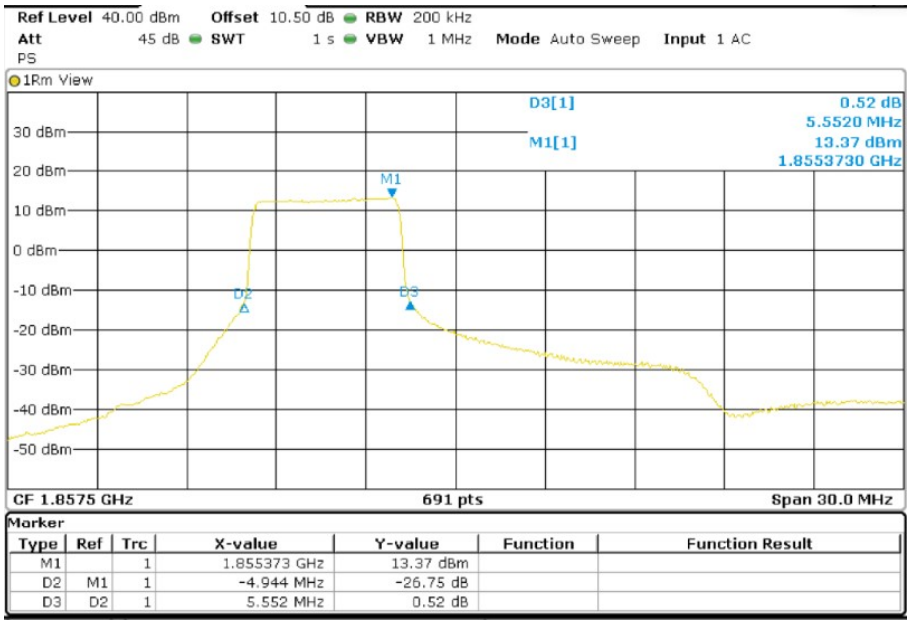
TEST RESULTS (Cont):	

LTE 16QAM MODULATION. BW = 15 MHz

Lowest Channel 99% Occupied Bandwidth

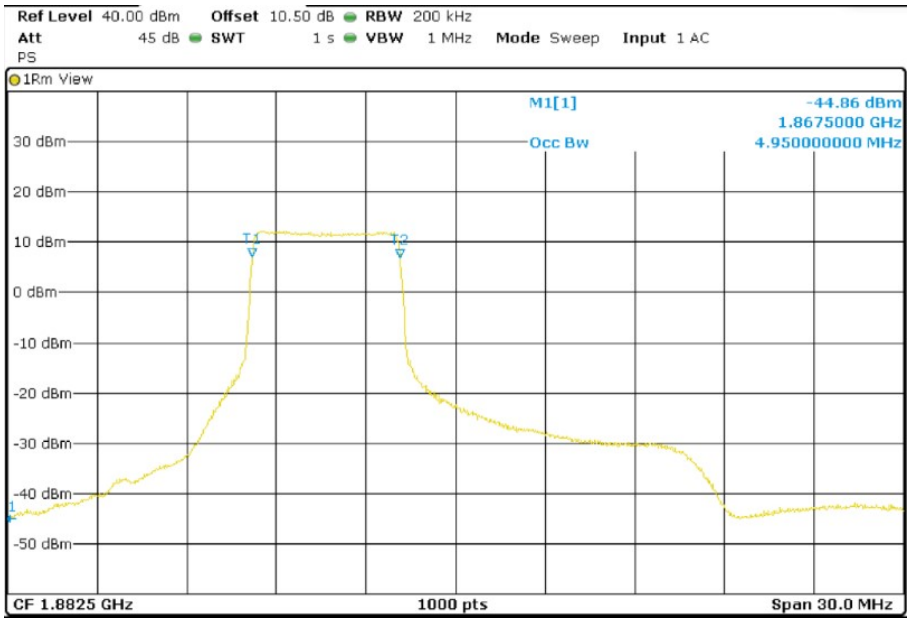


Lowest Channel 26dBc Bandwidth kHz

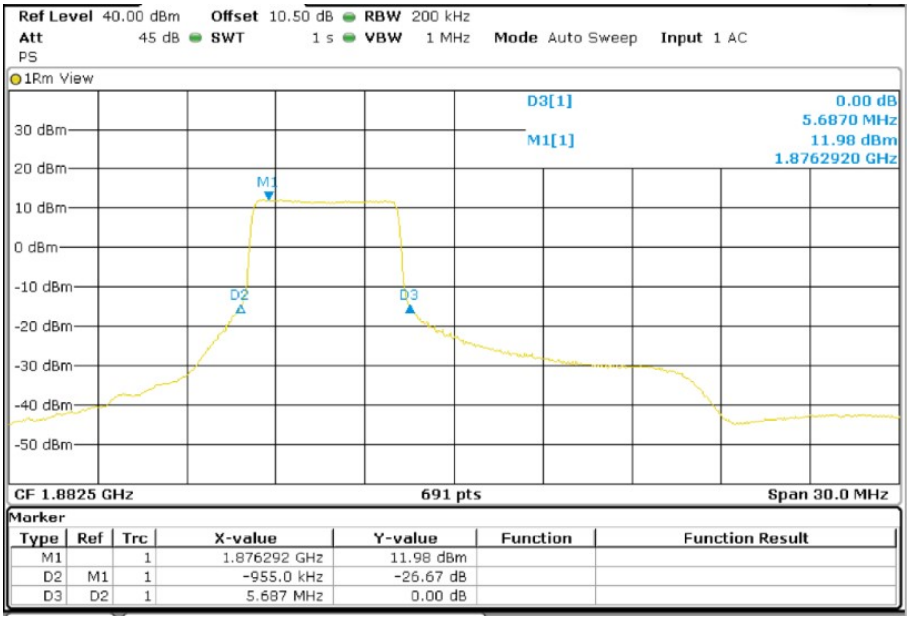


TEST RESULTS (Cont):	

Middle Channel 99% Occupied Bandwidth

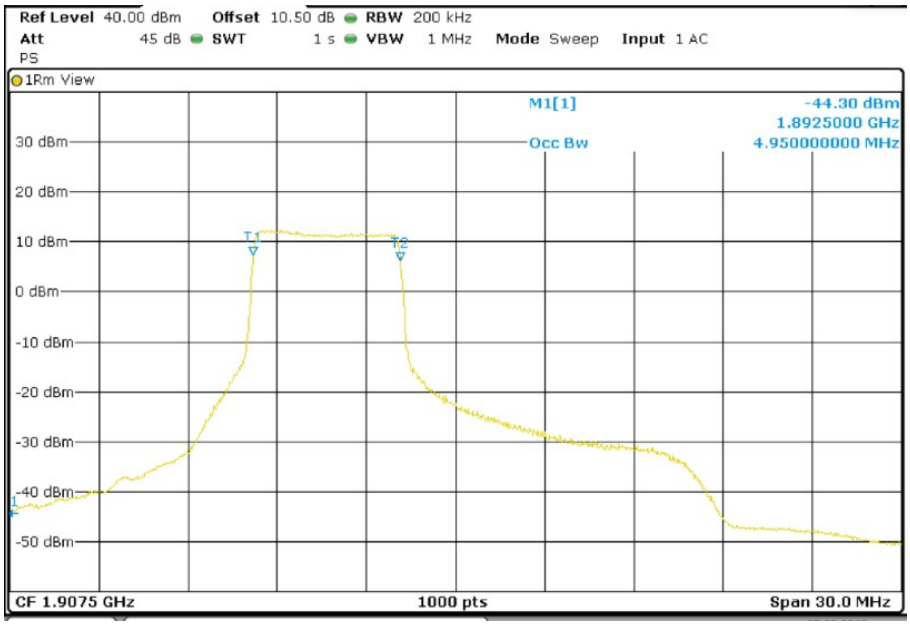


Middle Channel 26dBc Bandwidth kHz

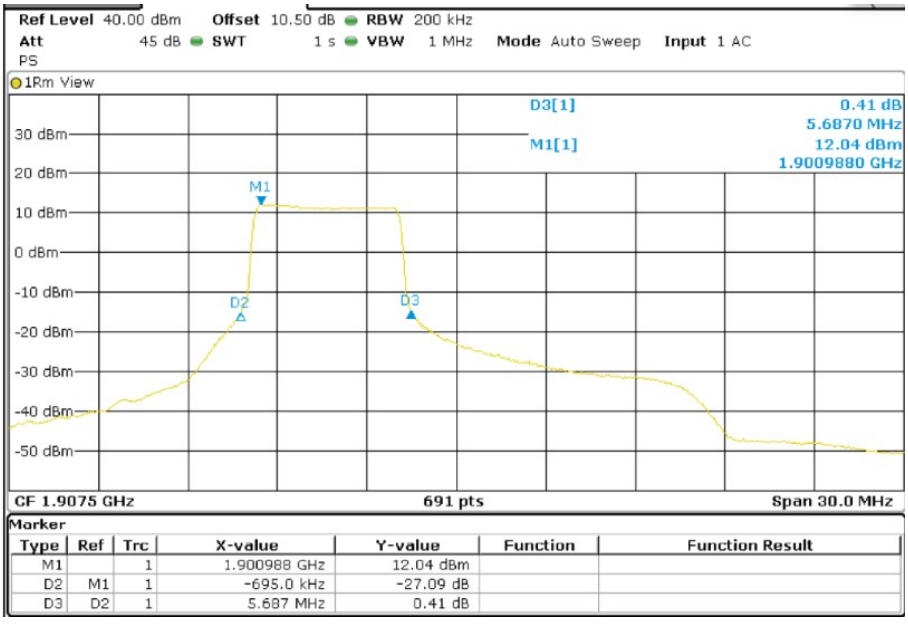


TEST RESULTS (Cont):	

Highest Channel 99% Occupied Bandwidth



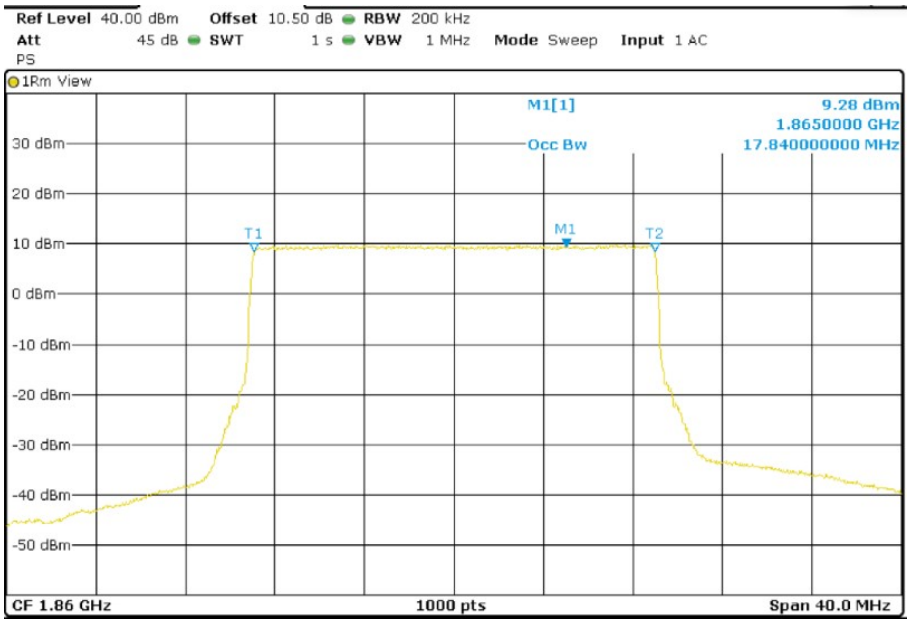
Highest Channel 26dBc Bandwidth kHz



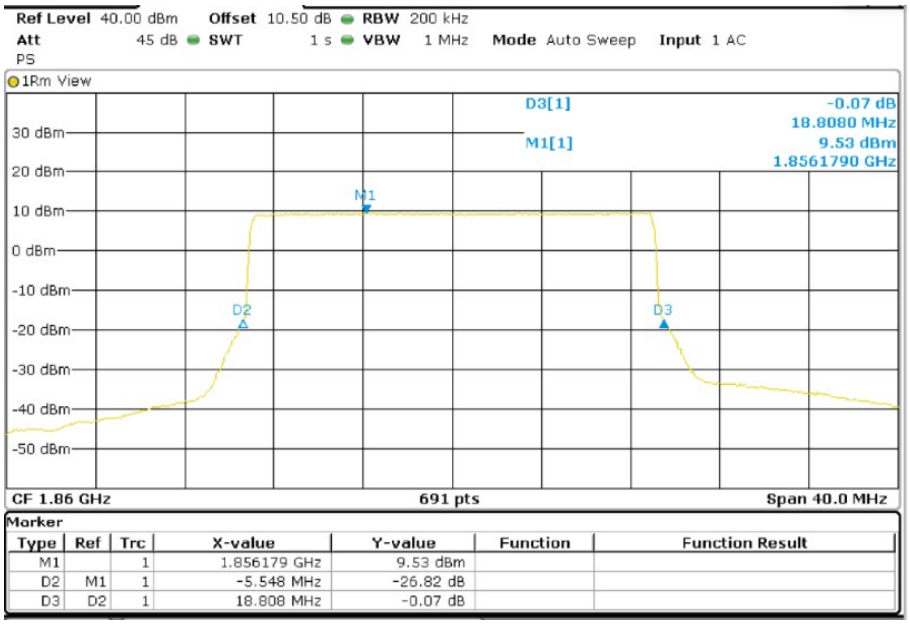
TEST RESULTS (Cont):	

LTE QPSK MODULATION. BW = 20 MHz

Lowest Channel 99% Occupied Bandwidth

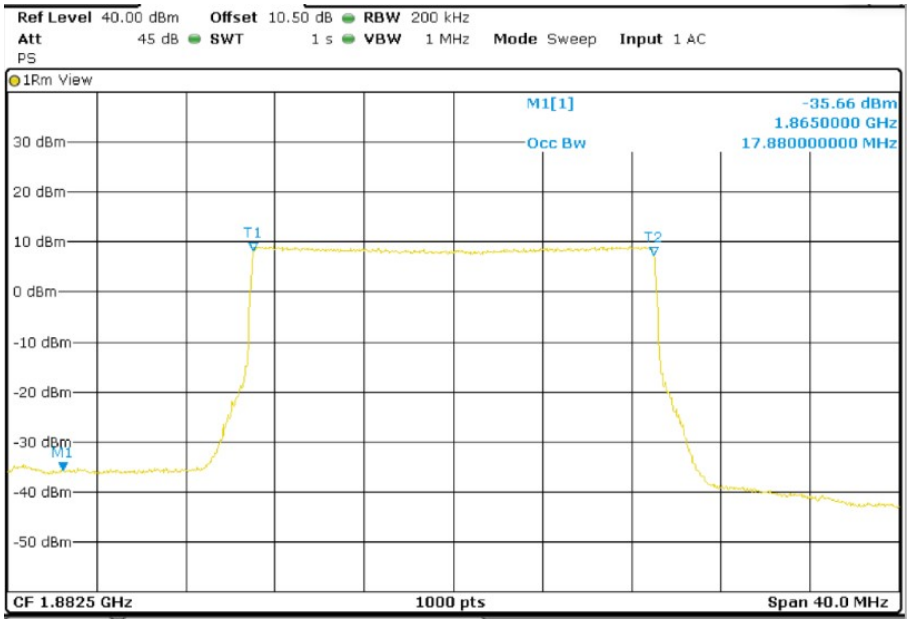


Lowest Channel 26dBc Bandwidth kHz

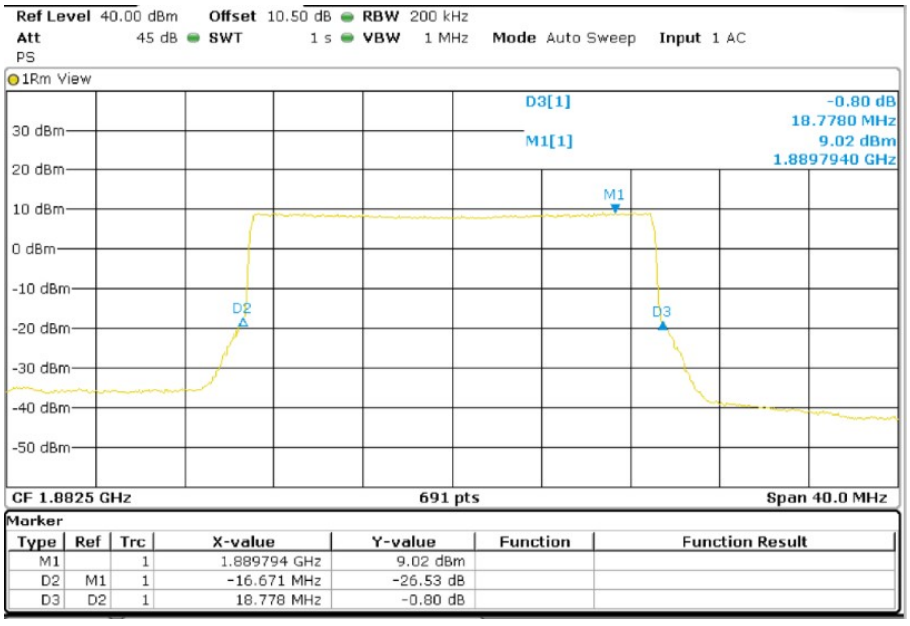


TEST RESULTS (Cont):	

Middle Channel 99% Occupied Bandwidth

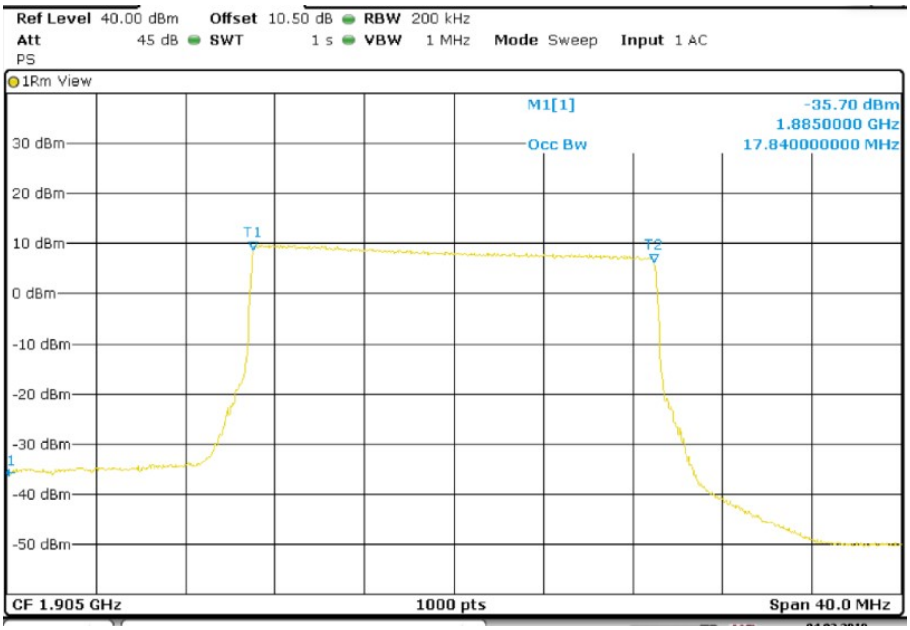


Middle Channel 26dBc Bandwidth kHz

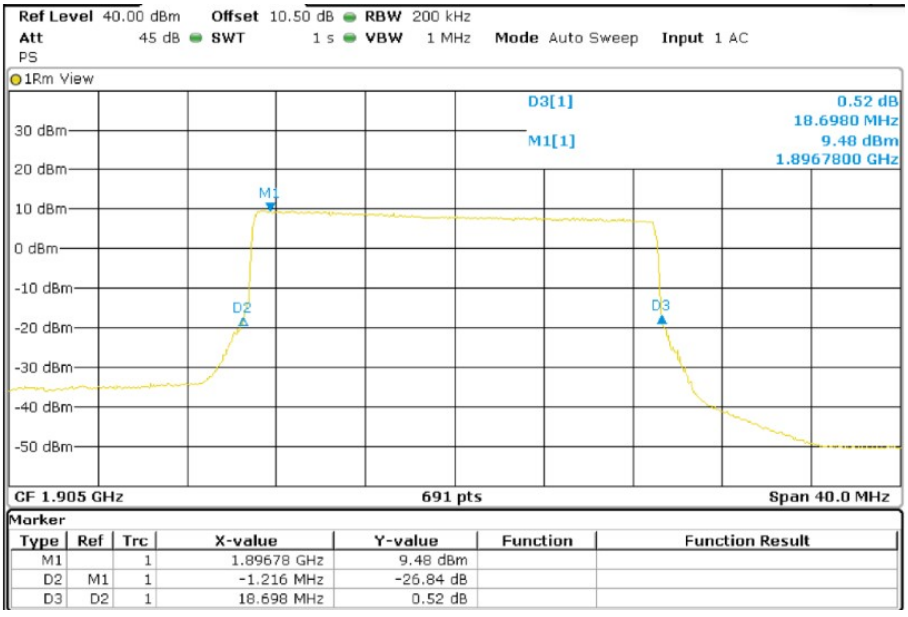


TEST RESULTS (Cont):	

Highest Channel 99% Occupied Bandwidth



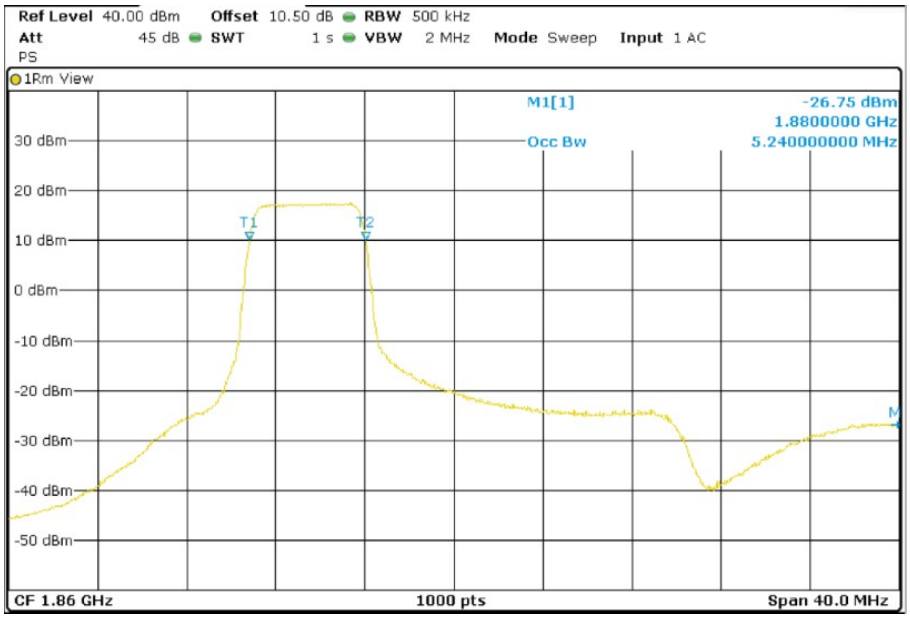
Highest Channel 26dBc Bandwidth kHz



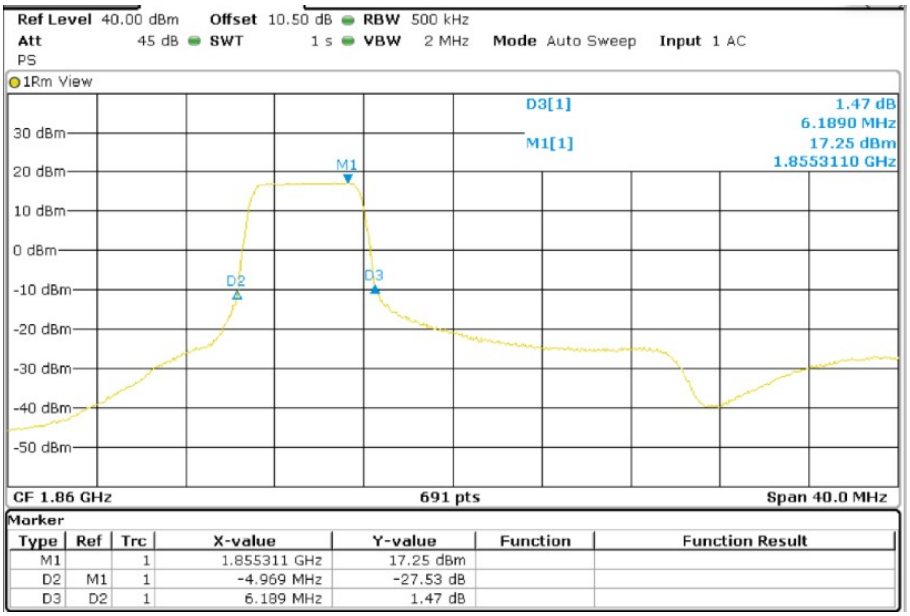
TEST RESULTS (Cont):	

LTE 16QAM MODULATION. BW = 20 MHz

Lowest Channel 99% Occupied Bandwidth

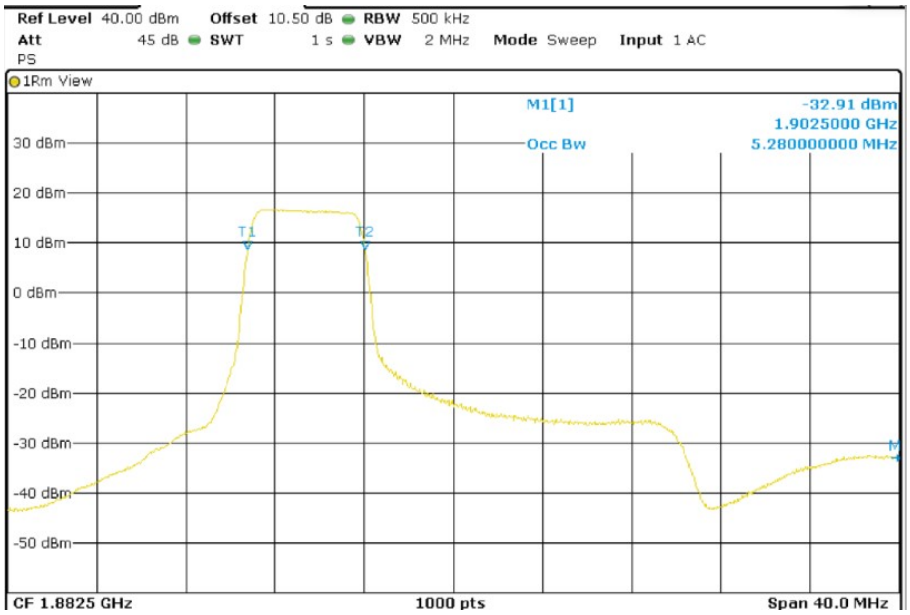


Lowest Channel 26dBc Bandwidth kHz

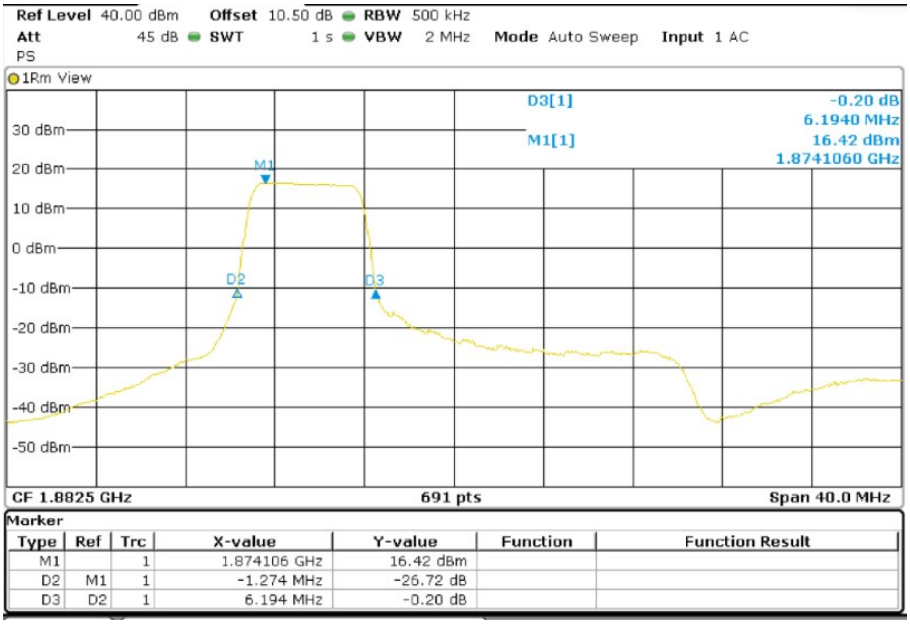


TEST RESULTS (Cont):	

Middle Channel 99% Occupied Bandwidth

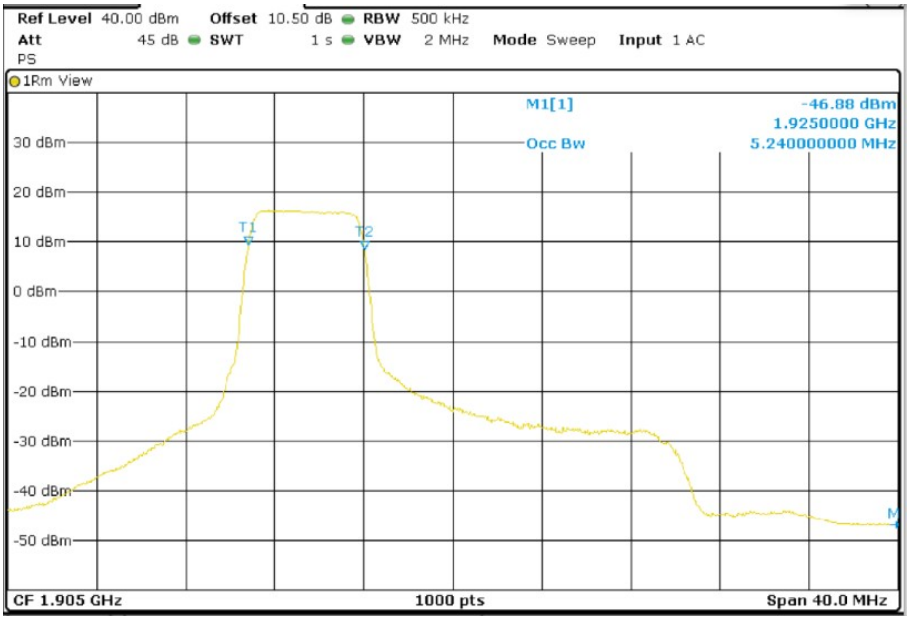


Middle Channel 26dBc Bandwidth kHz

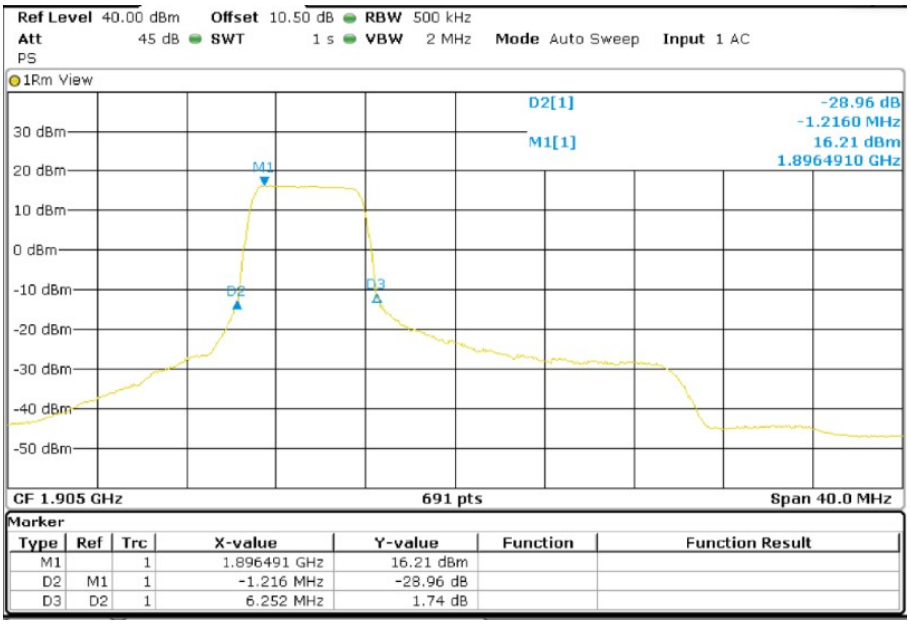


TEST RESULTS (Cont):	

Highest Channel 99% Occupied Bandwidth



Highest Channel 26dBc Bandwidth kHz



TEST A.5: SPURIOUS EMISSIONS AT ANTENNA TERMINALS

LIMITS:	Product standard:	FCC Part 24 / IC RSS-133
	Test standard:	FCC §2.1051 and § 24.238/ RSS-133 Clause 6.5

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

Po (dBm) – [43 + 10 log (Po in watts)] = -13 dBm

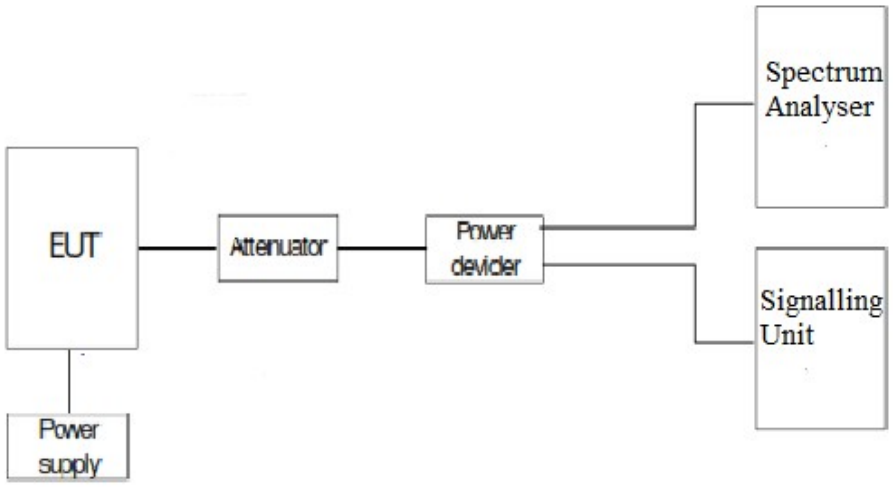
TEST SETUP

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 26 GHz for LTE Band 25.

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 – 26 GHz

LTE QPSK MODULATION. BW = 1.4 MHz

Lowest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1930.859	-26.48	< ± 1.20

Middle Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1962.539	-27.14	< ± 1.20

Highest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1994.229	-27.05	< ± 1.20

LTE QPSK MODULATION. BW = 3 MHz

Lowest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1931.669	-26.05	< ± 1.20

Middle Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1962.539	-25.85	< ± 1.20

Highest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1993.419	-25.56	< ± 1.20

LTE QPSK MODULATION. BW = 5 MHz

Lowest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1931.669	-28.27	< ± 1.20

Middle Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1966.599	-25.5	< ± 1.20

Highest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1993.419	-28.11	< ± 1.20

TEST RESULTS (Cont):	

LTE QPSK MODULATION. BW = 10 MHz

Lowest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1938.979	-28.86	< ± 1.20

Middle Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1961.729	-28.58	< ± 1.20

Highest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1990.979	-28.22	< ± 1.20

LTE QPSK MODULATION. BW = 15 MHz

Lowest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1936.539	-28.4	< ± 1.20

Middle Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1966.599	-27.98	< ± 1.20

Highest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1988.539	-28.58	< ± 1.20

LTE QPSK MODULATION. BW = 20 MHz

Lowest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1939.789	-28.27	< ± 1.20

Middle Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1964.979	-28.5	< ± 1.20

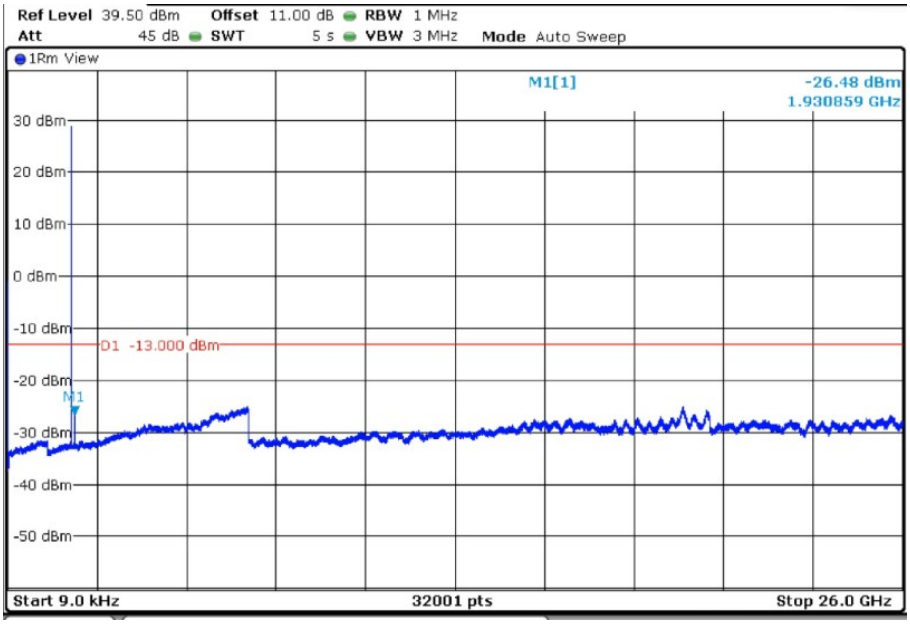
Highest Channel

Spurious frequency (GHz)	Level (dBm)	Measurement uncertainty (dB)
1979.599	-28.32	< ± 1.20

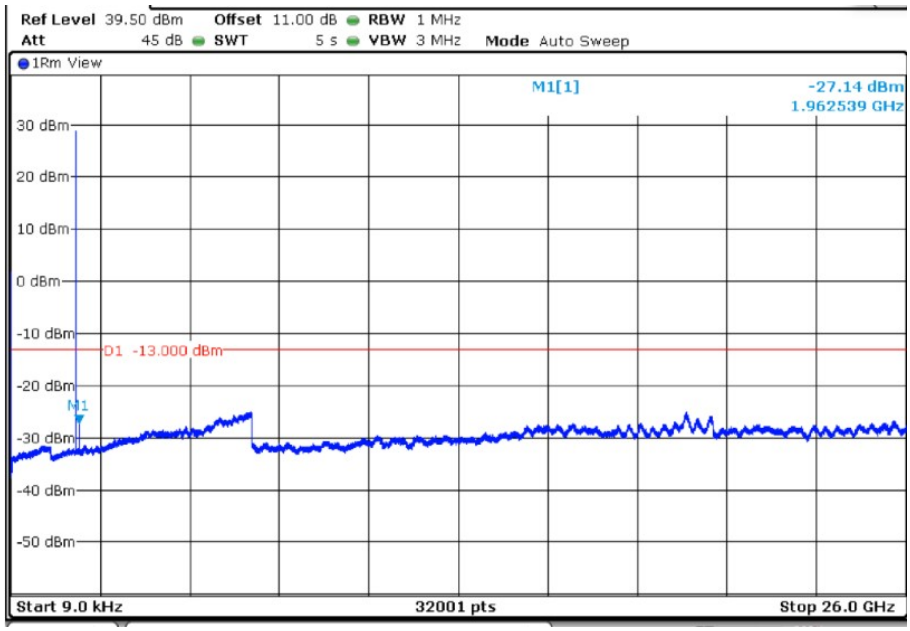
TEST RESULTS (Cont):	

LTE QPSK MODULATION. BW = 1.4MHz

Lowest Channel

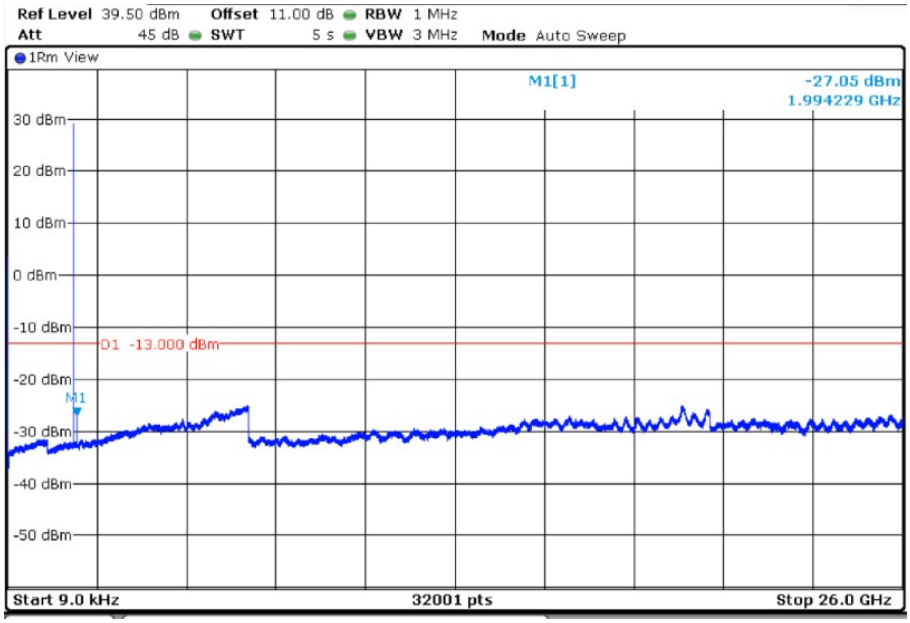


Middle Channel



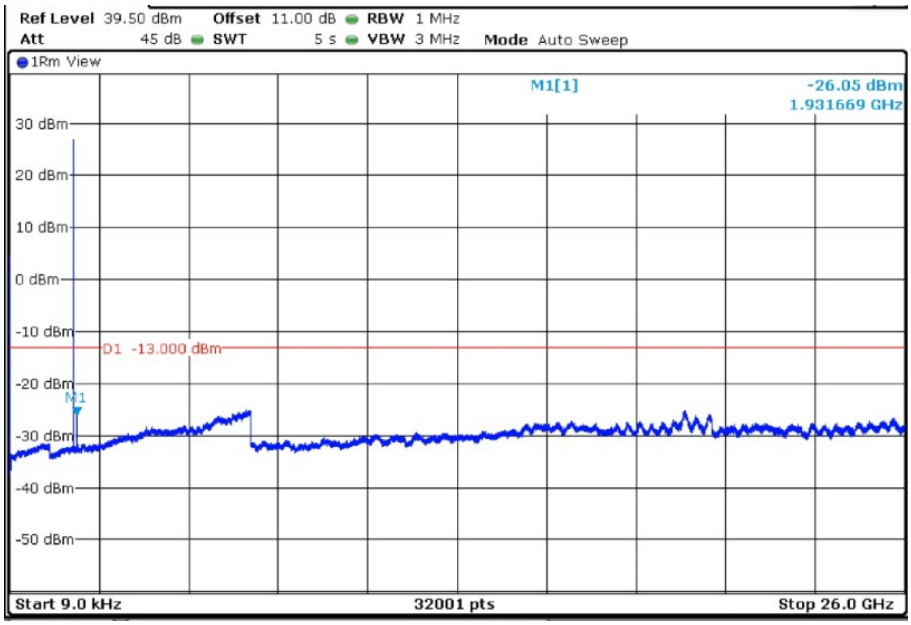
TEST RESULTS (Cont):	

Highest Channel



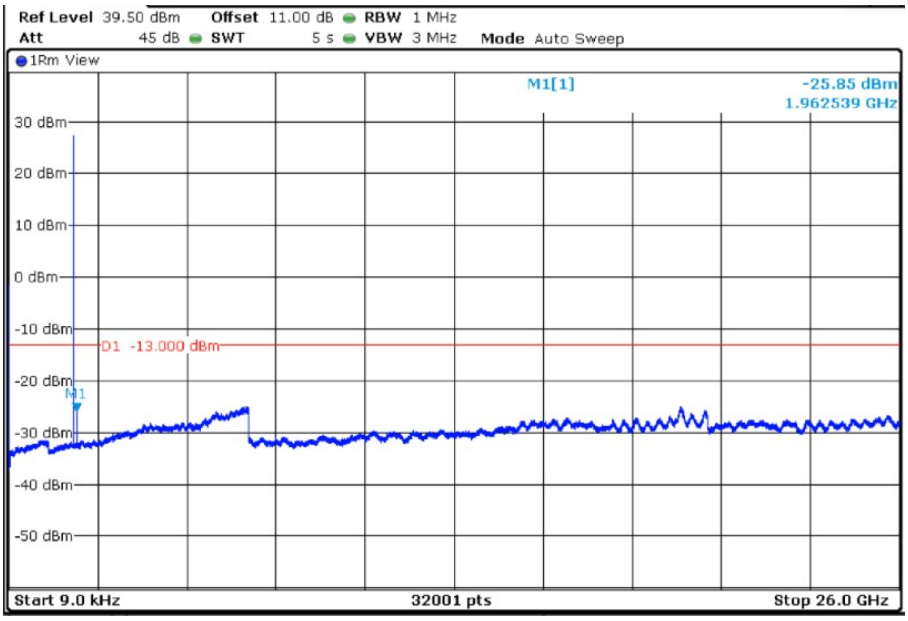
LTE QPSK MODULATION. BW = 3 MHz

Lowest Channel

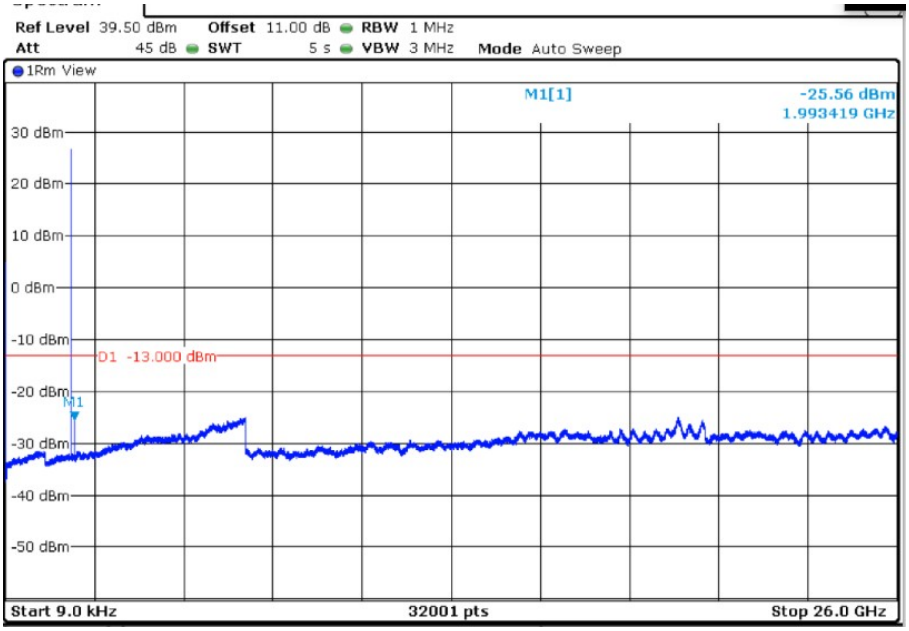


TEST RESULTS (Cont):	

Middle Channel



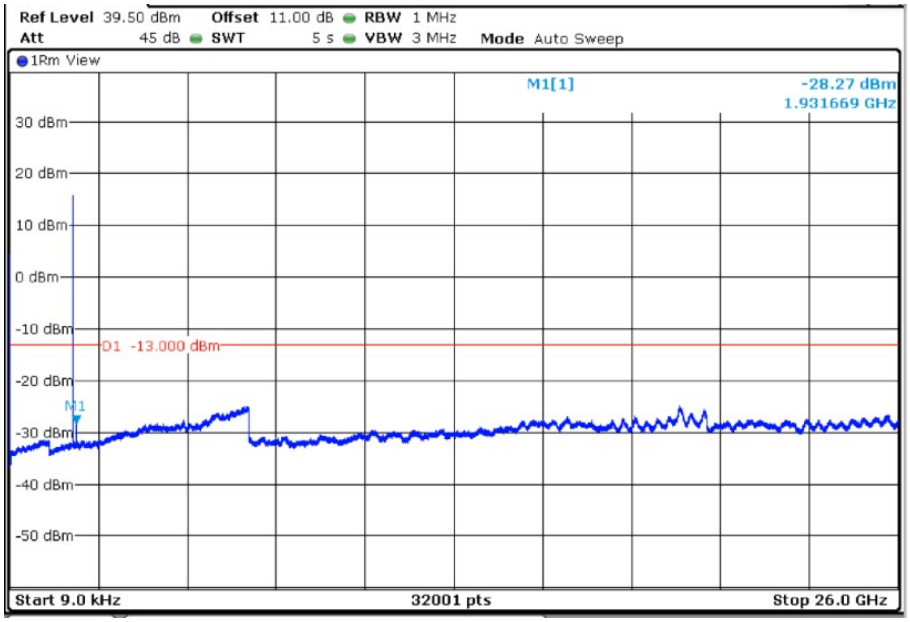
Highest Channel



TEST RESULTS (Cont):	

LTE QPSK MODULATION. BW = 5 MHz

Lowest Channel



Middle Channel