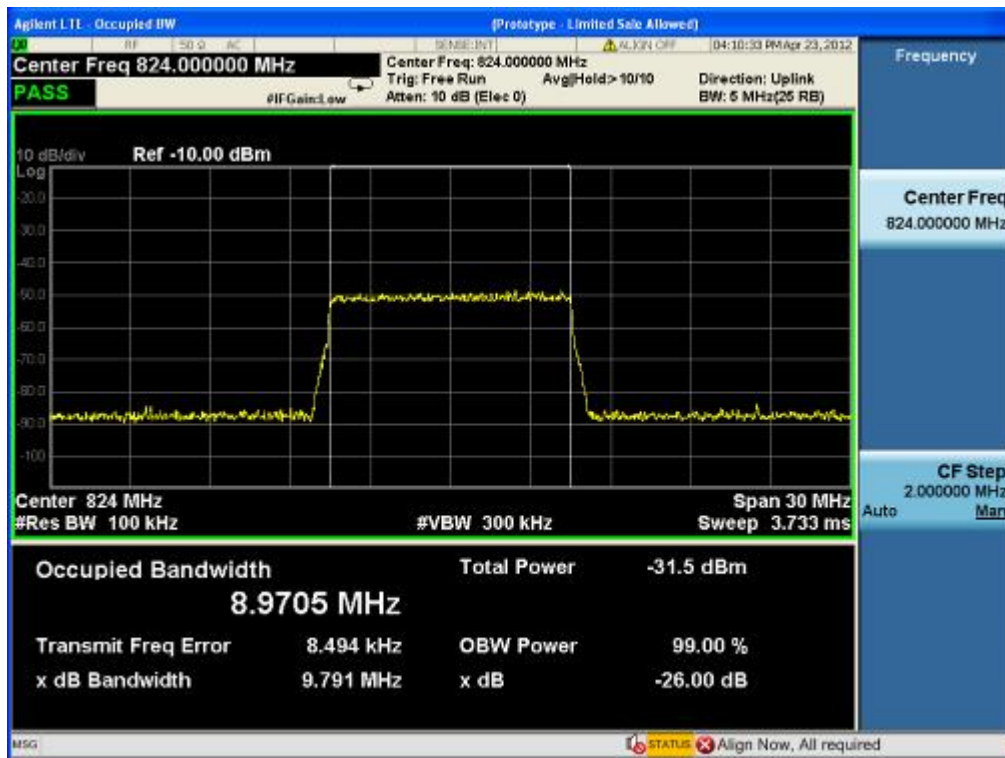
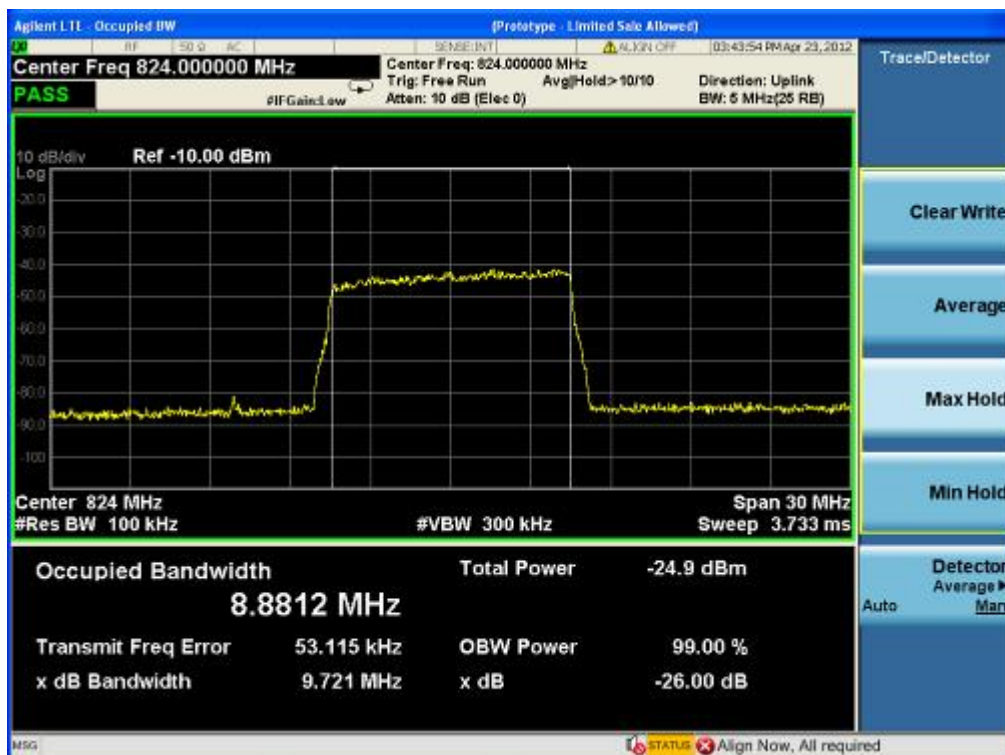


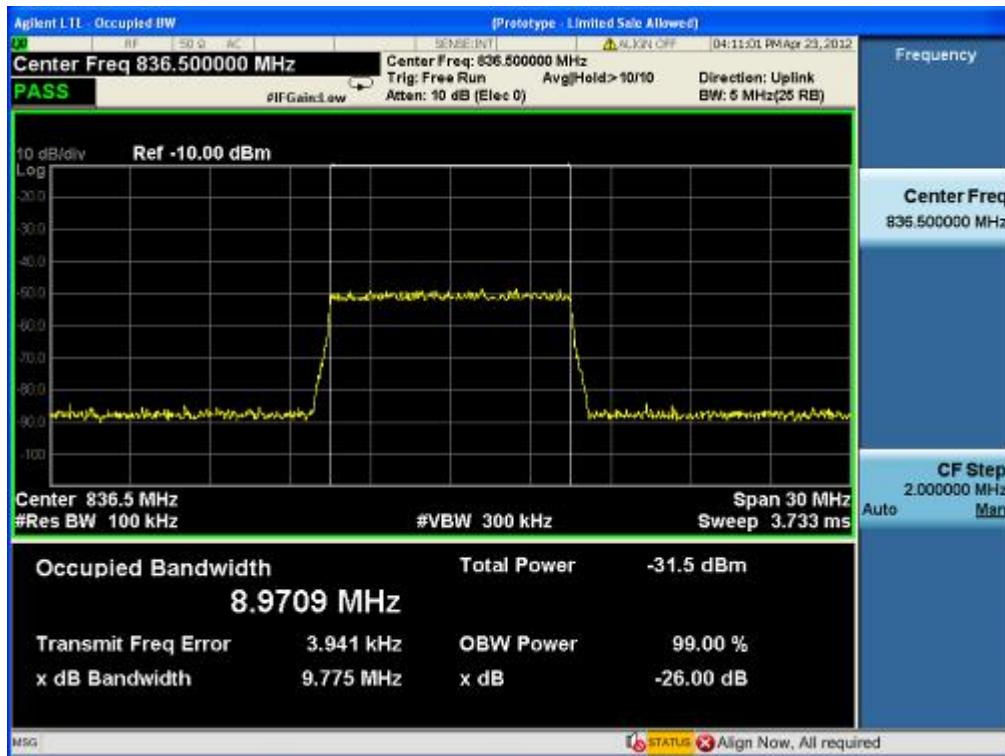
850MHz-LTE –QPSK uplink (lowest frequency)-Input



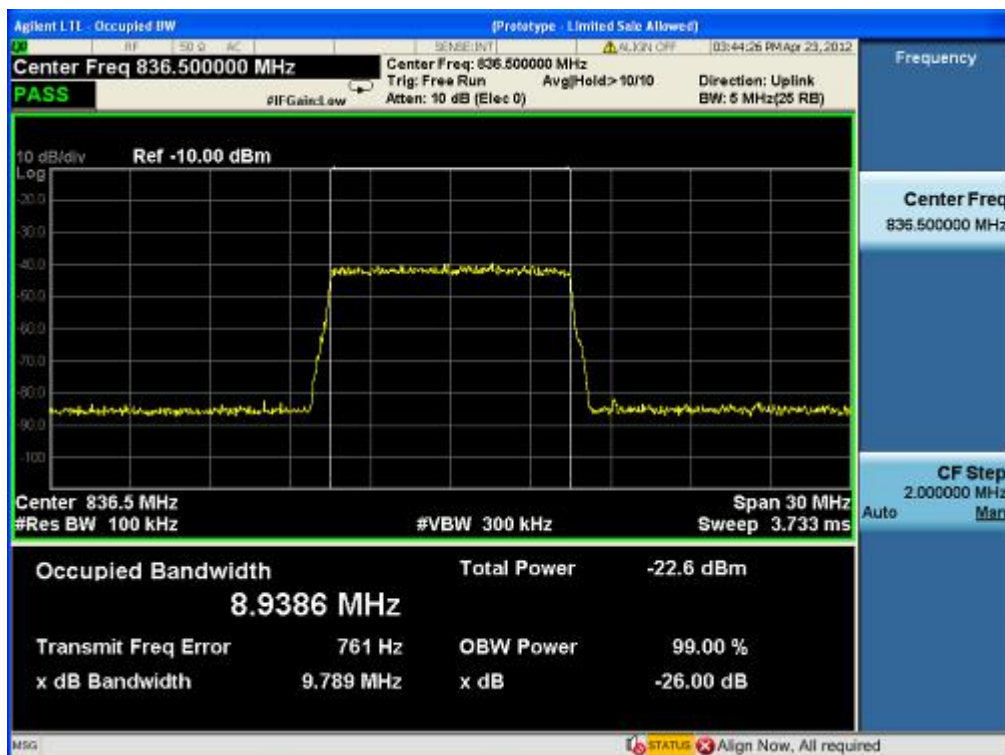
850MHz-LTE –QPSK uplink (lowest frequency)- Output



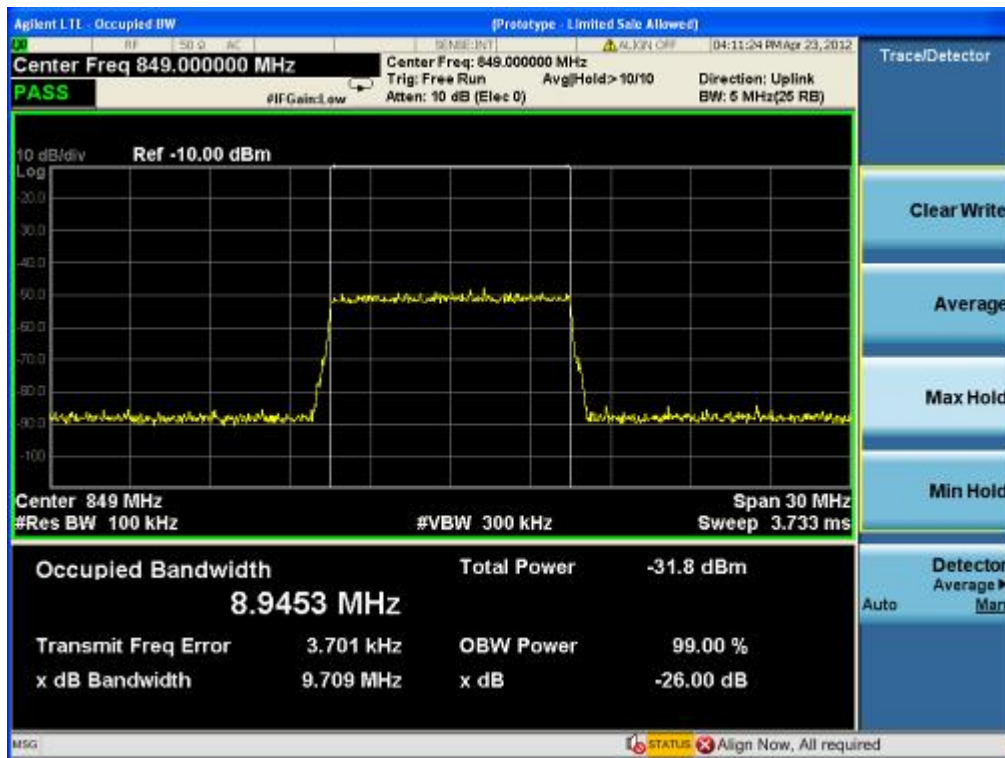
850MHz-LTE –QPSK uplink (middle frequency)-Input



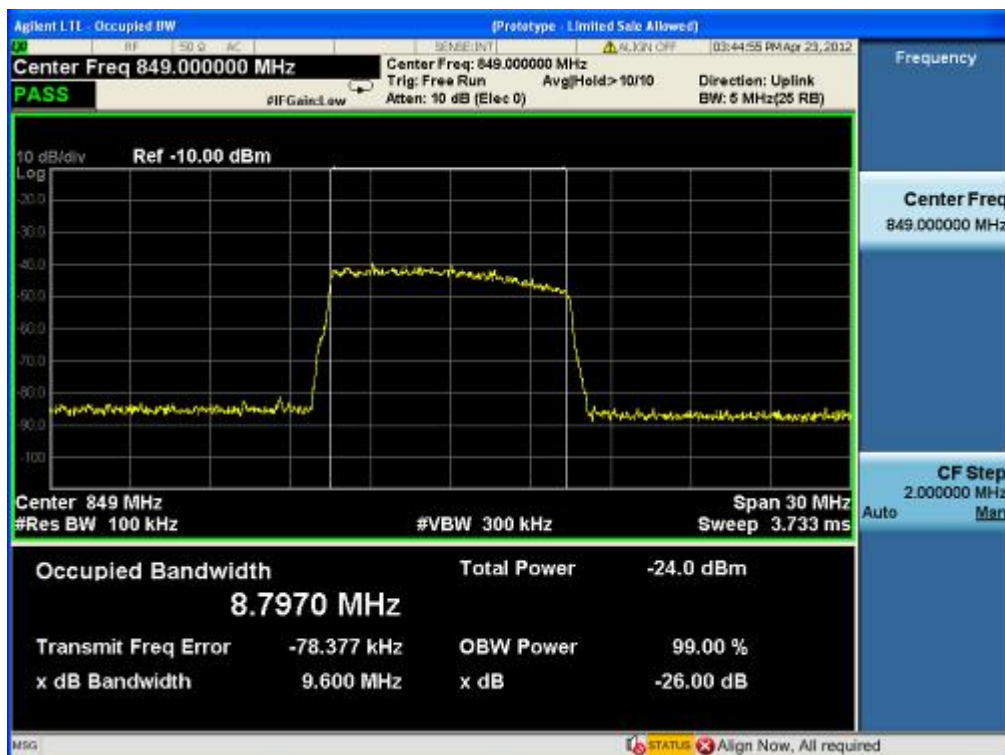
850MHz-LTE –QPSK uplink (middle frequency)-Output



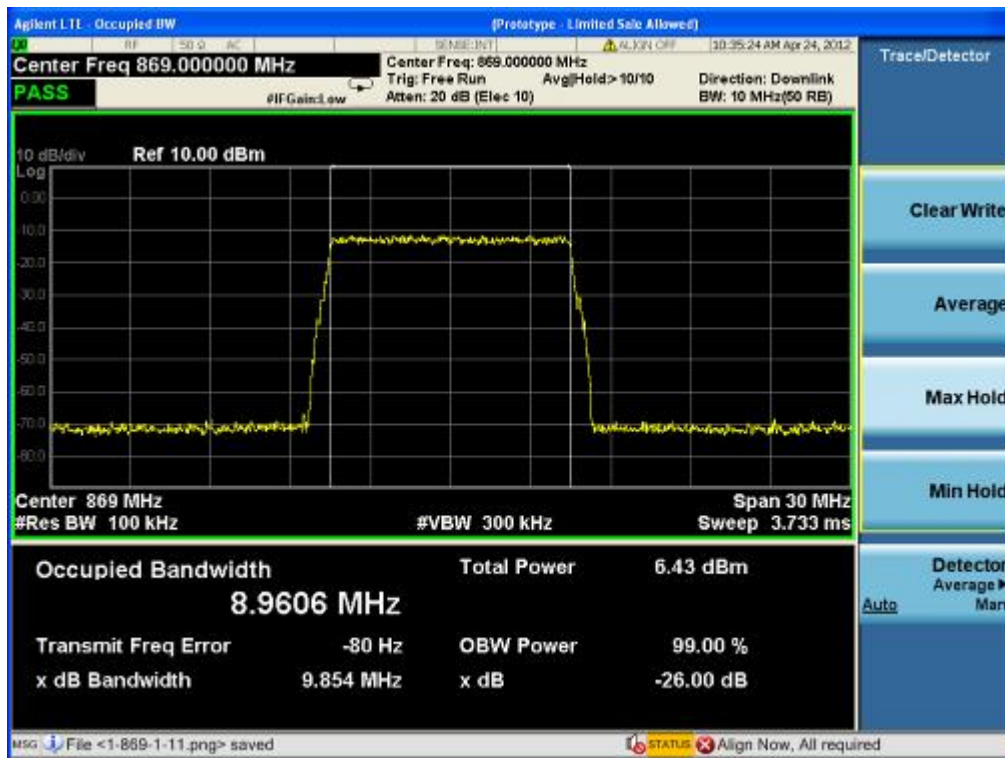
850MHz-LTE –QPSK uplink (highest frequency)-Input



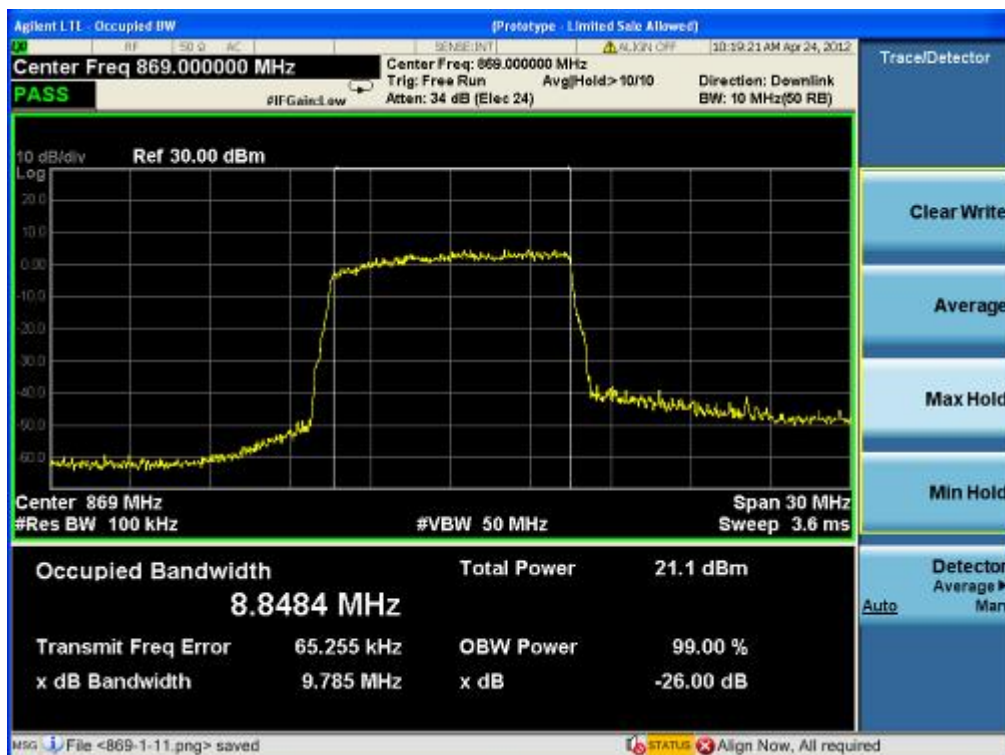
850MHz-LTE –QPSK uplink (highest frequency)- Output



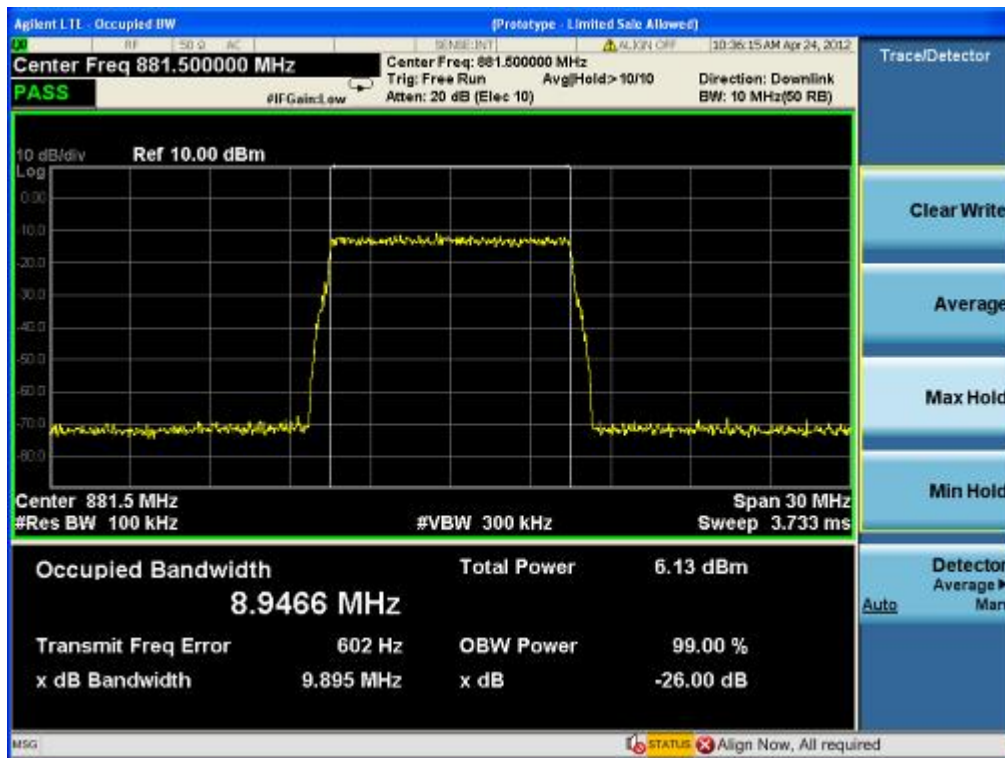
850MHz-LTE-16QAM downlink (lowest frequency)-Input



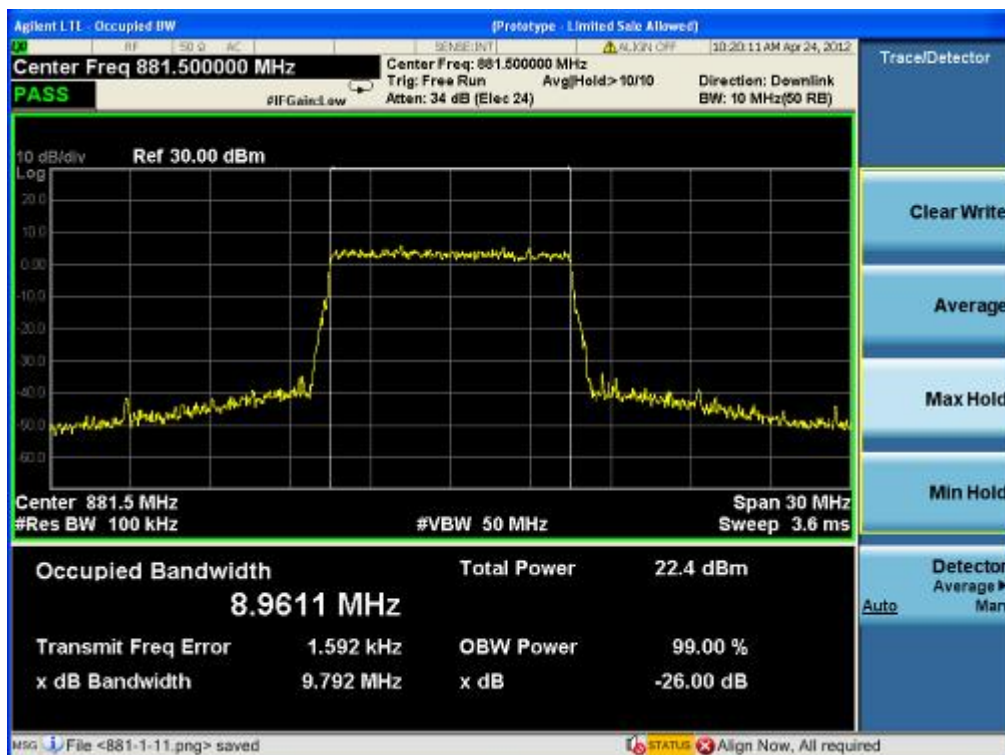
850MHz-LTE-16QAM downlink (lowest frequency)-Output



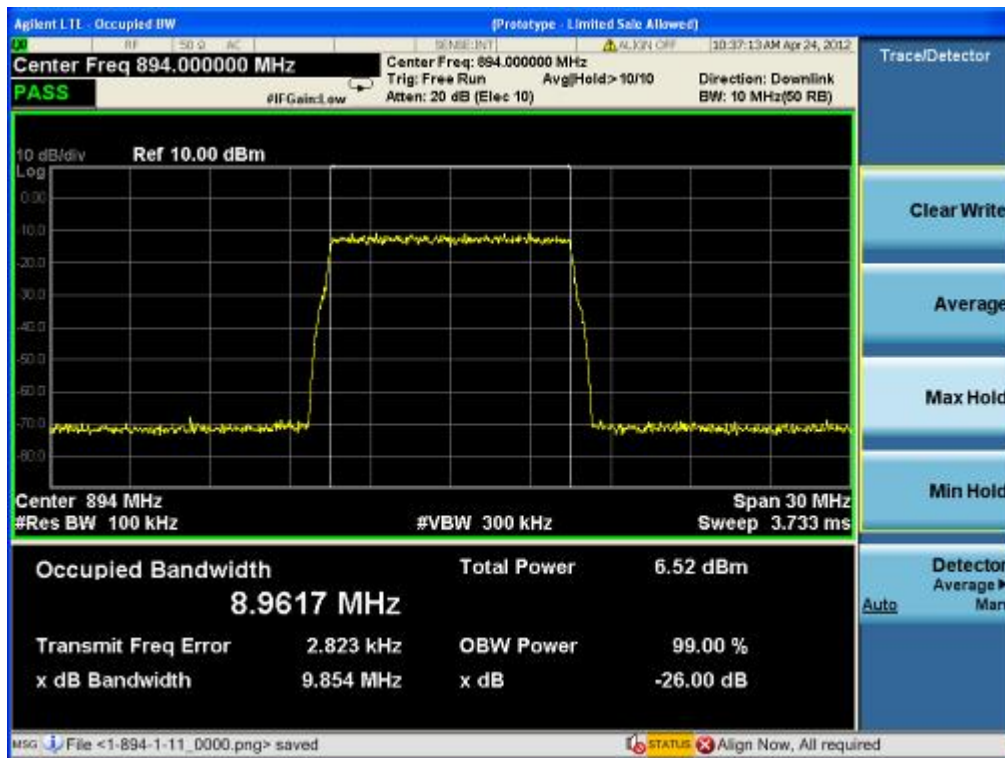
850MHz-LTE-16QAM downlink (middle frequency)-Input



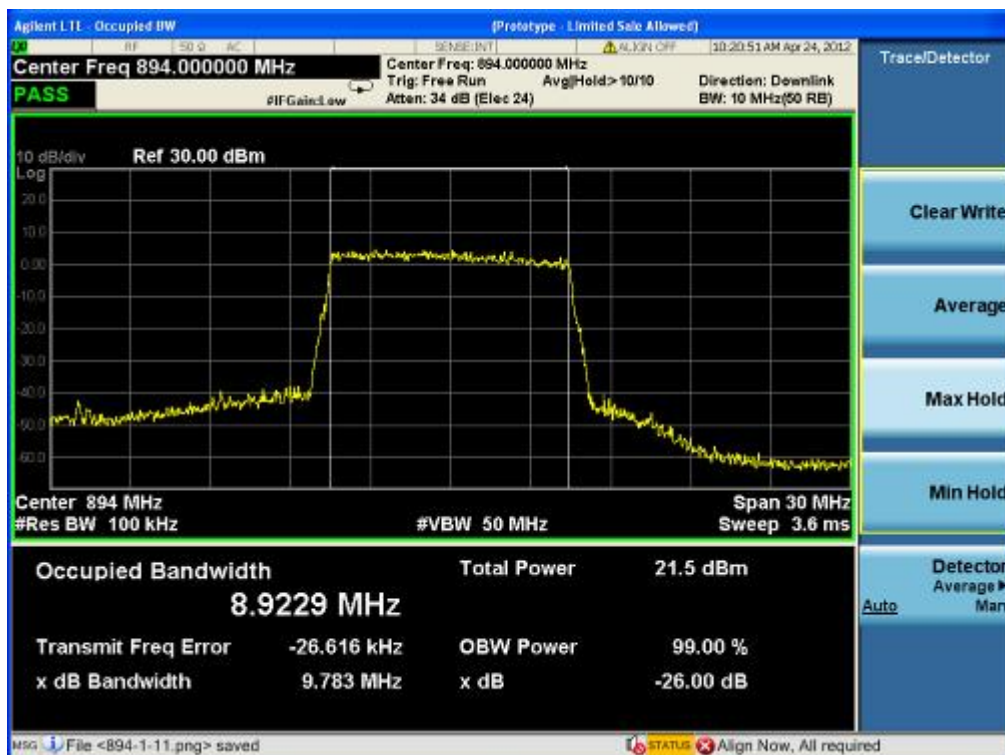
850MHz-LTE -16QAM downlink (middle frequency)- Output



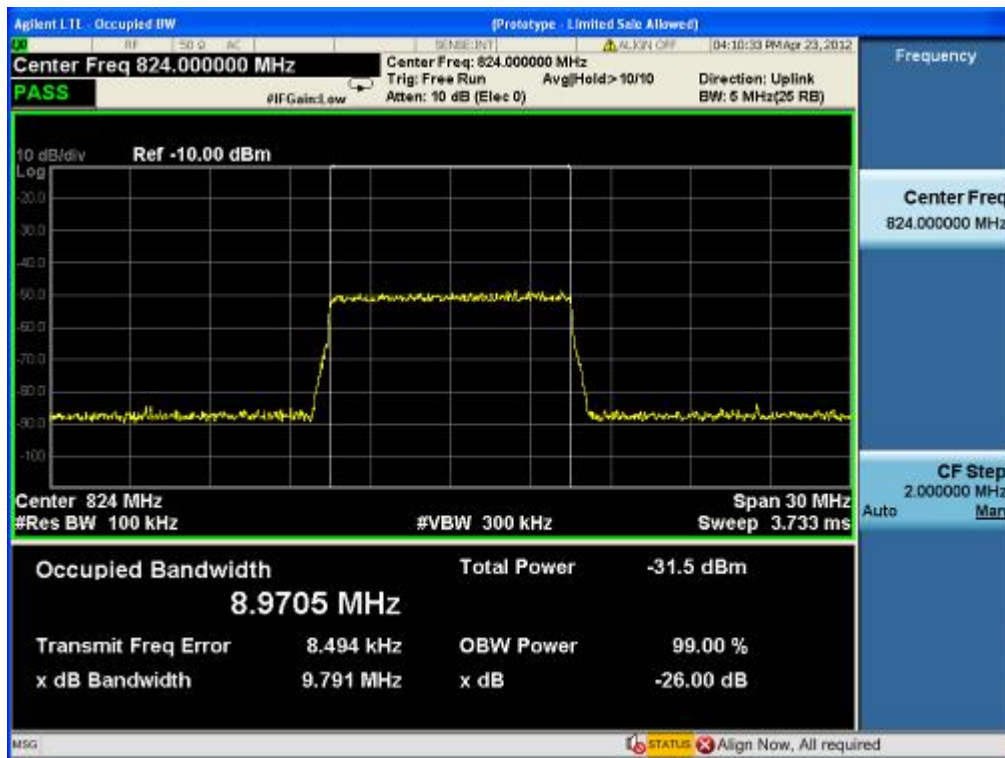
850MHz-LTE -16QAM downlink (highest frequency)-Input



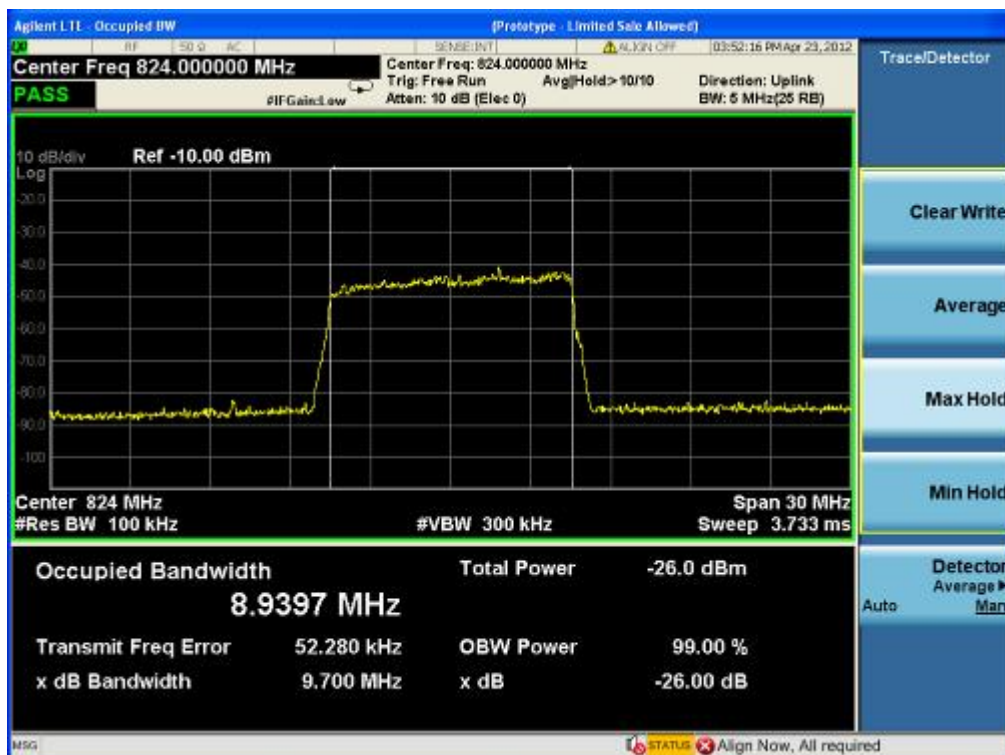
850MHz-LTE-16QAM downlink (highest frequency)- Output



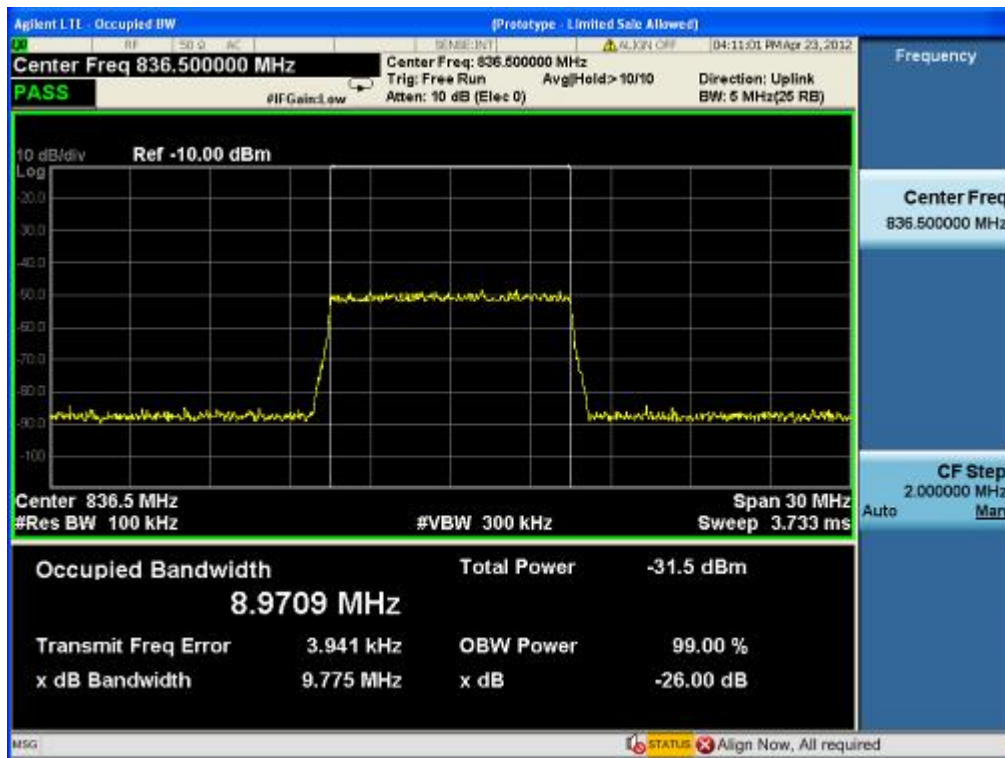
850MHz-LTE -16QAM uplink (lowest frequency)-Input



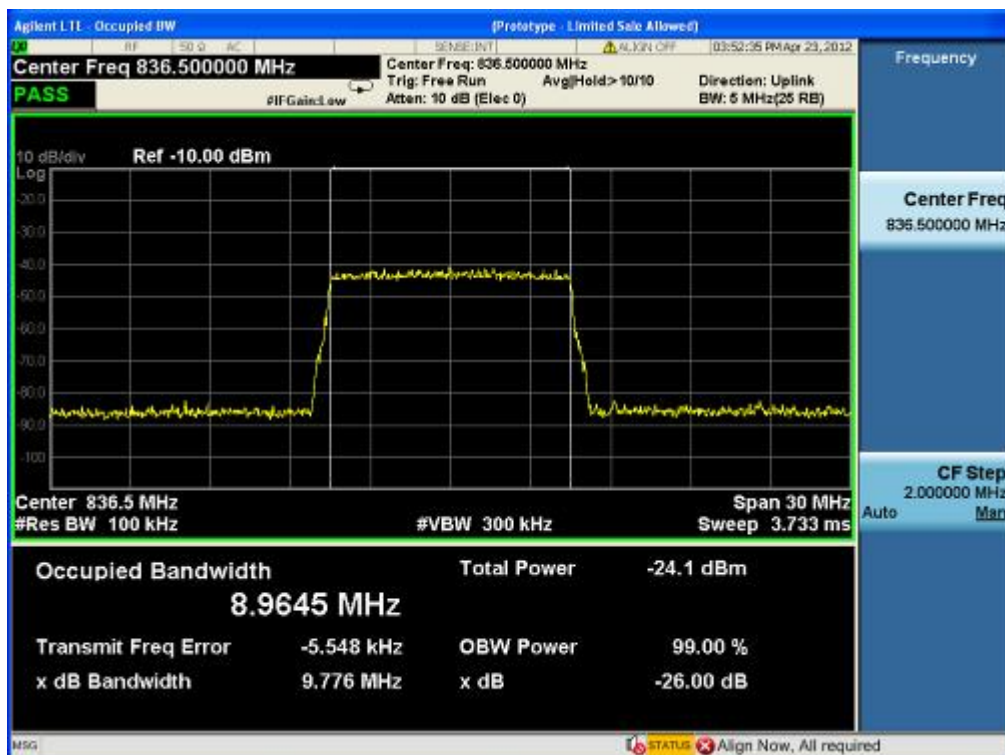
850MHz-LTE-16QAM uplink (lowest frequency)- Output



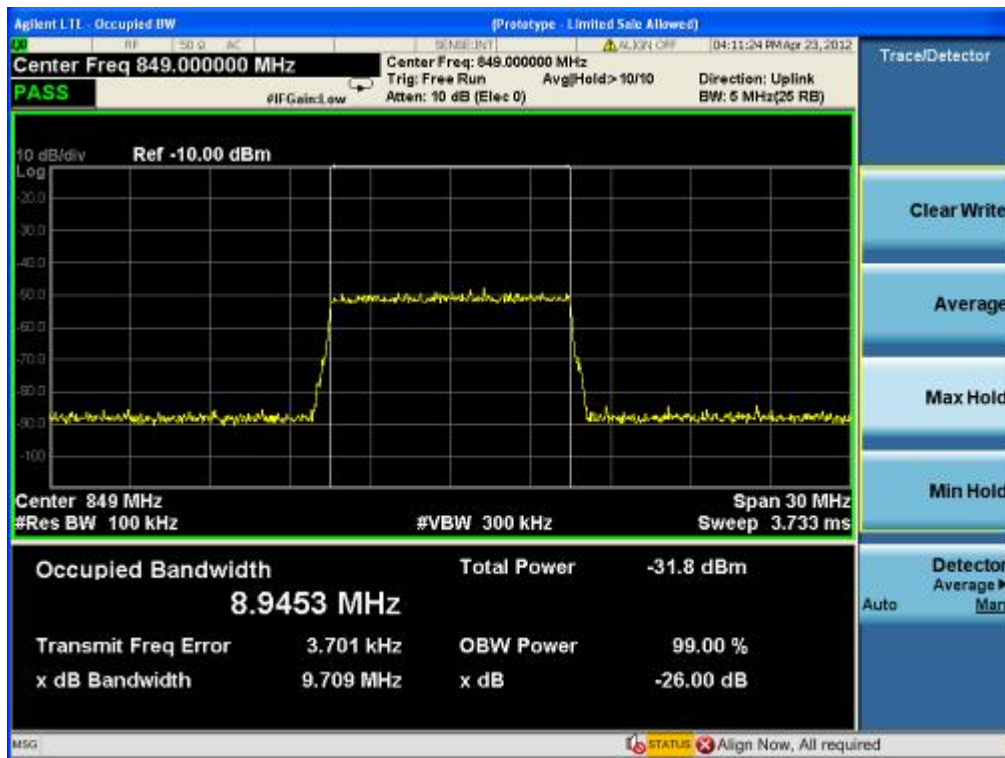
850MHz-LTE -16QAM uplink (middle frequency)-Input



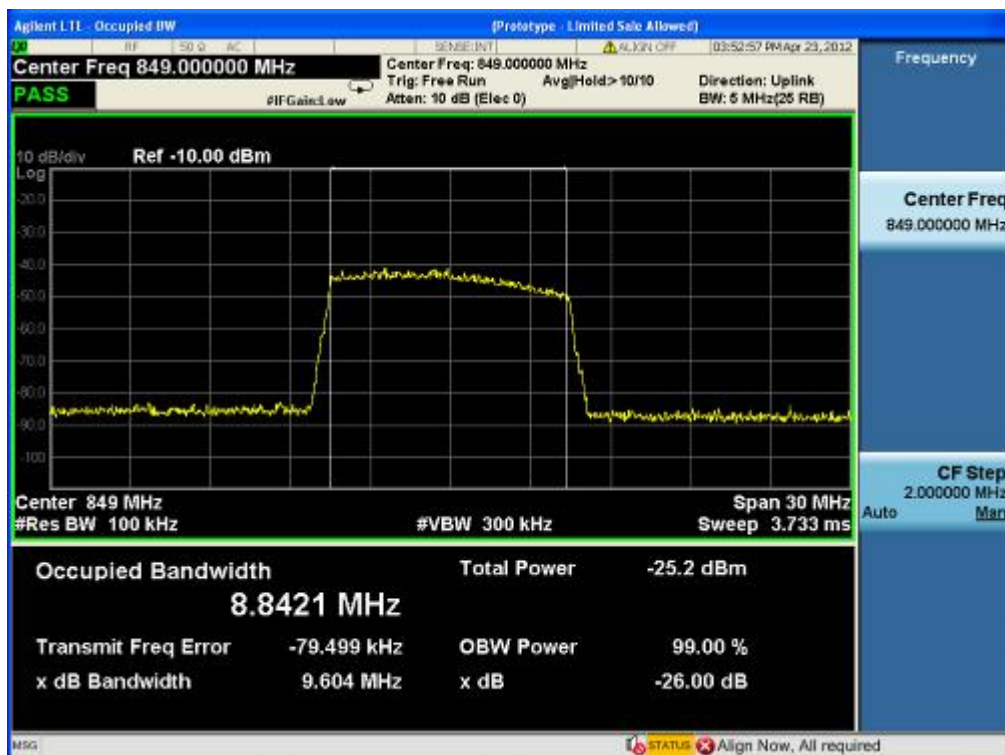
850MHz-LTE -16QAM uplink (middle frequency)-Output



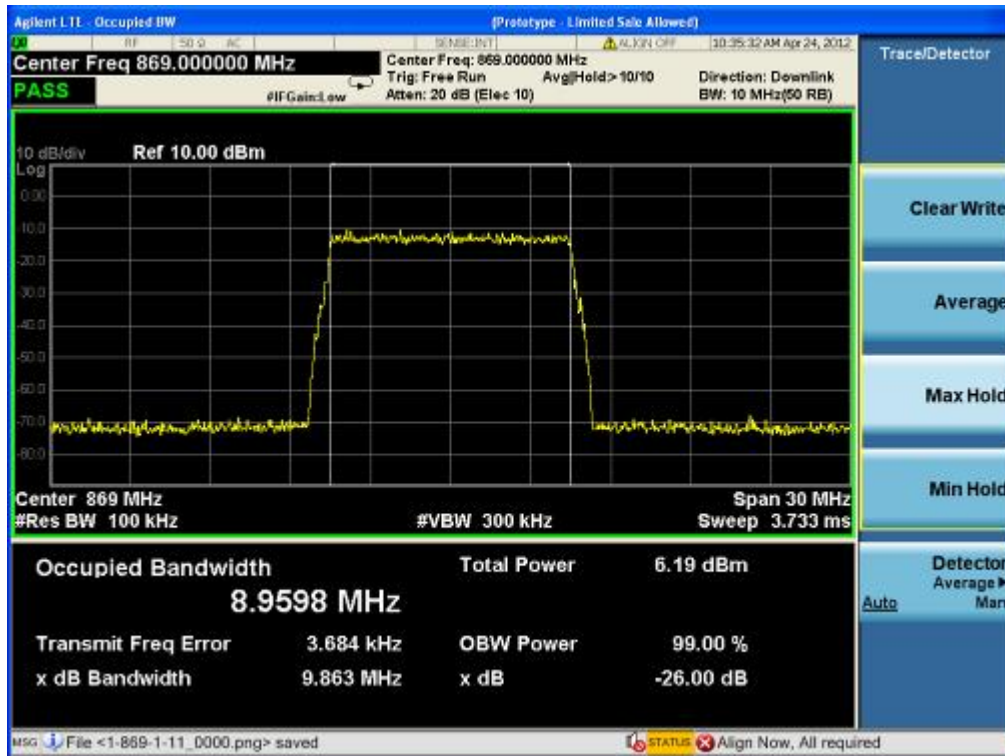
850MHz-LTE-16QAM uplink (highest frequency)-Input



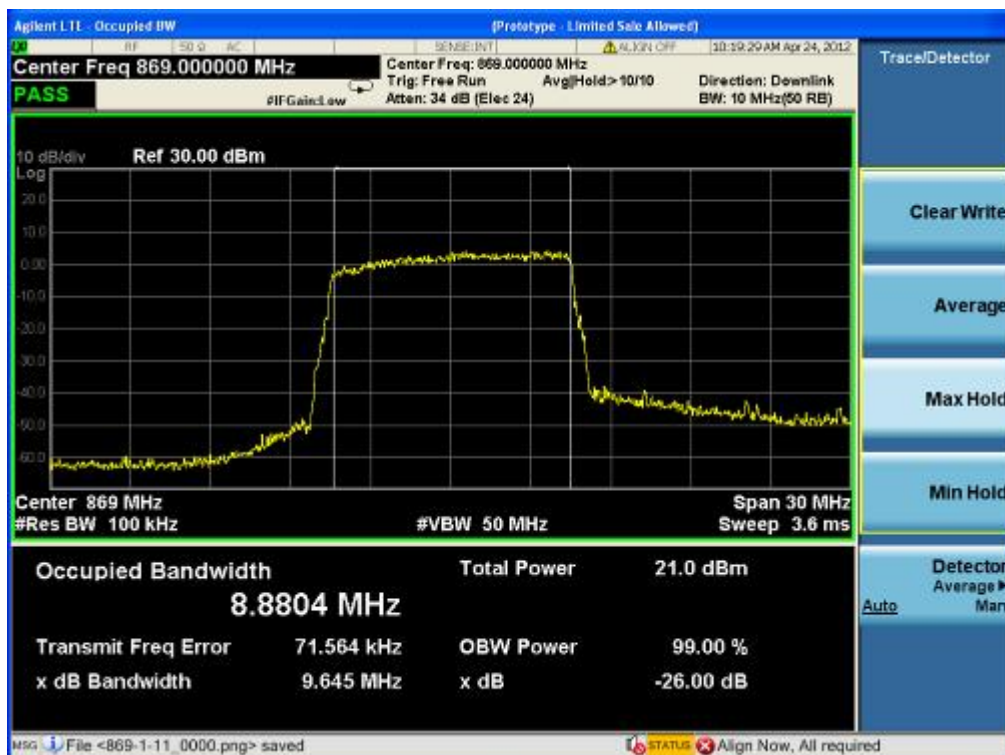
850MHz-LTE -16QAM uplink (highest frequency)- Output



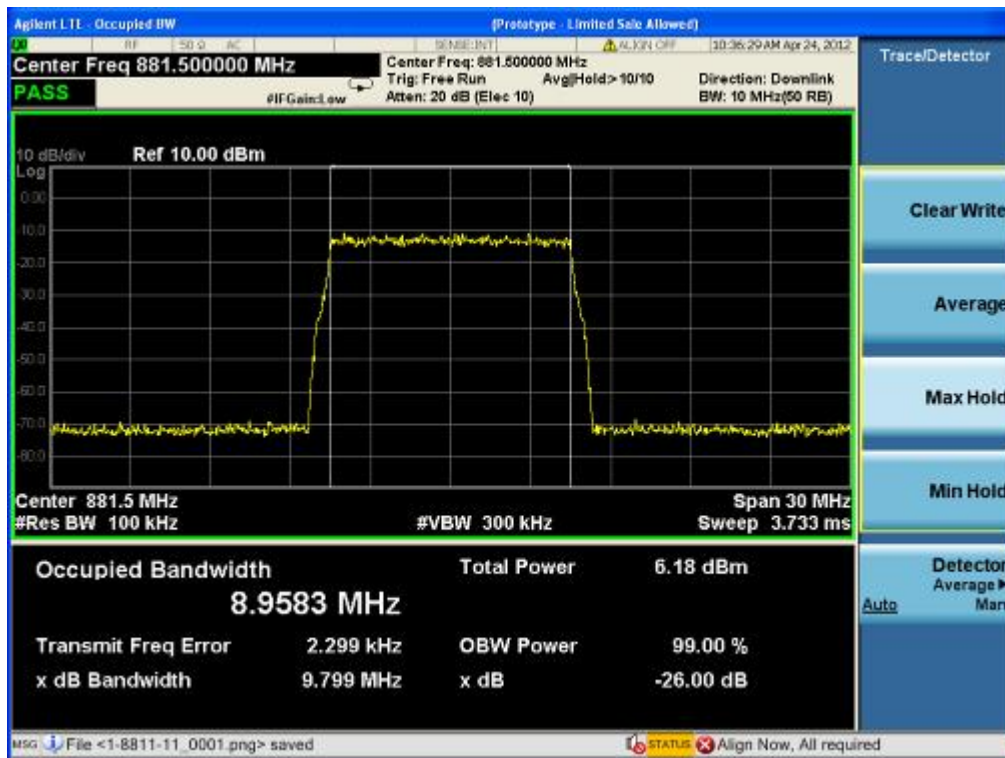
850MHz-LTE -64QAM downlink (lowest frequency)-Input



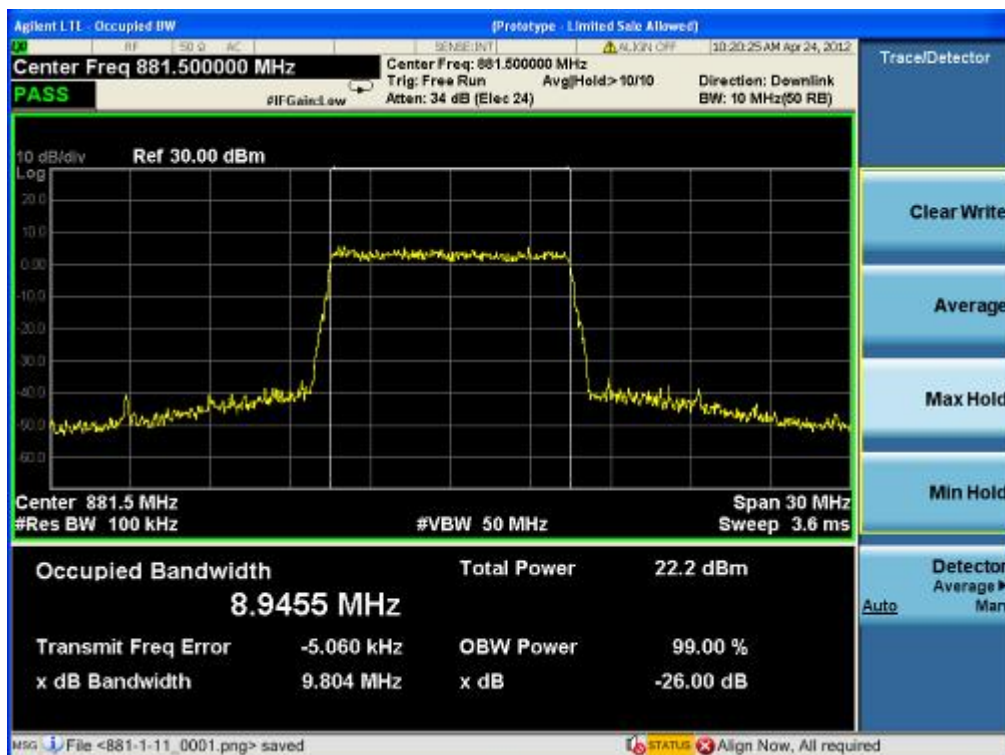
850MHz-LTE -64QAM downlink (lowest frequency)-Output



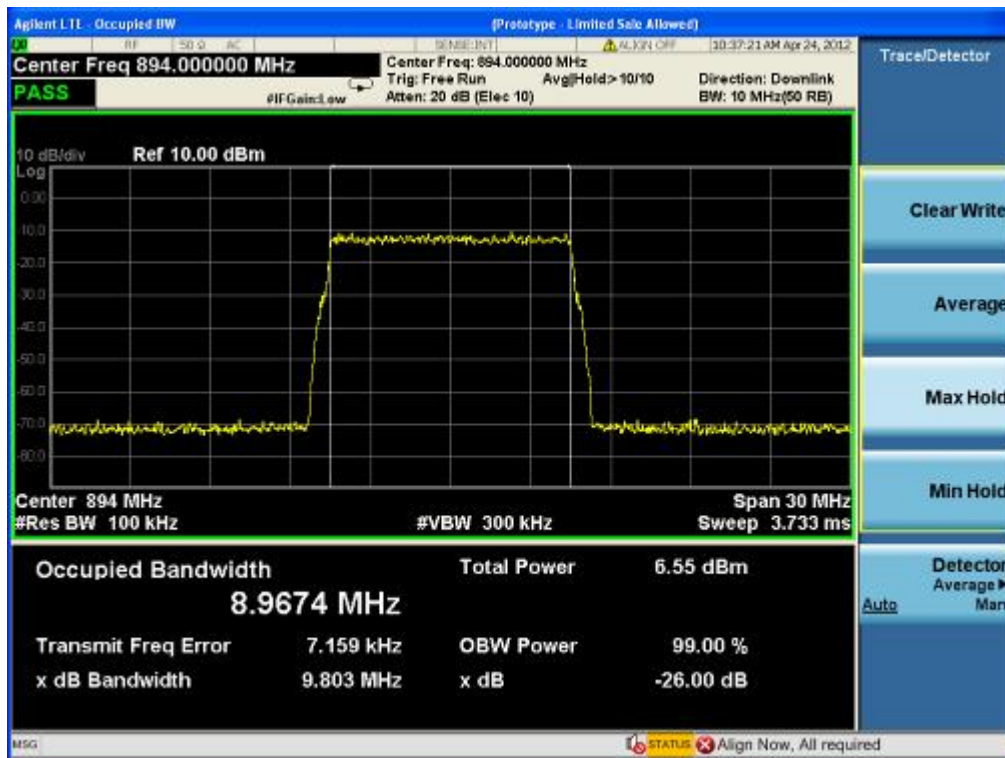
850MHz-LTE -64QAM downlink (middle frequency)-Input



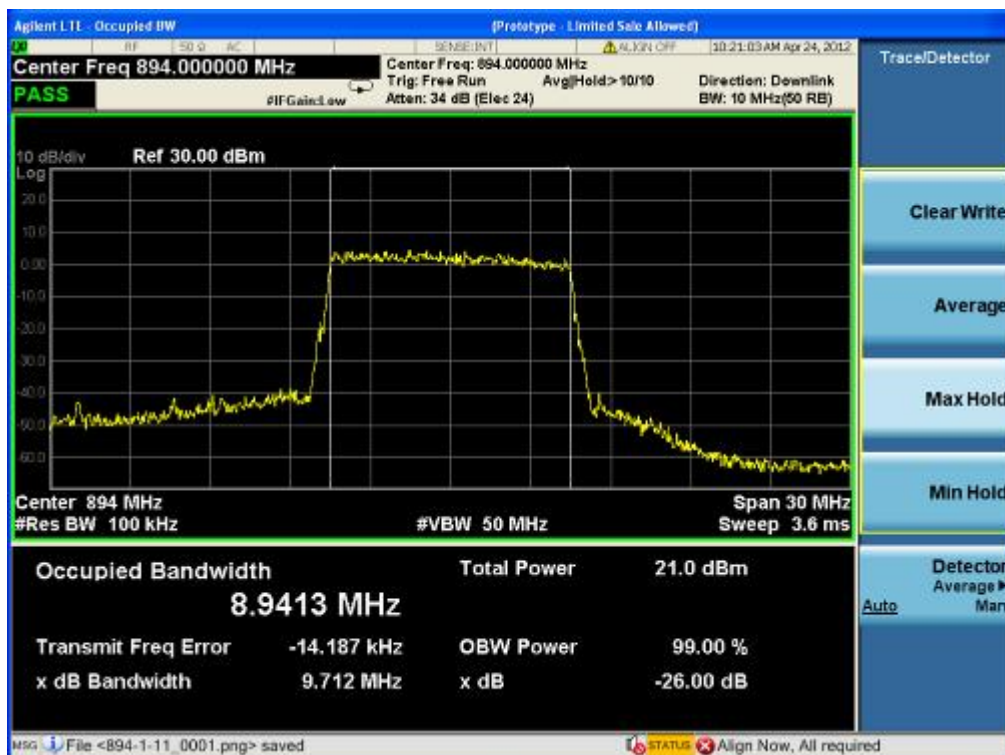
850MHz-LTE -64QAM downlink (middle frequency)- Output



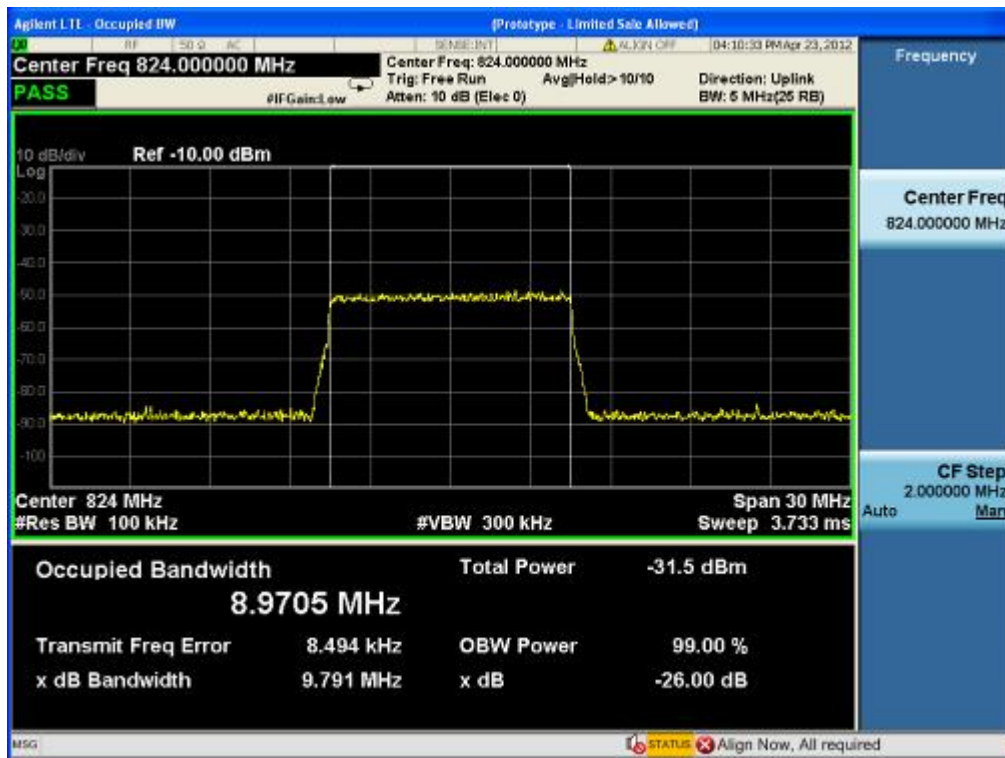
850MHz-LTE -64QAM downlink (highest frequency)-Input



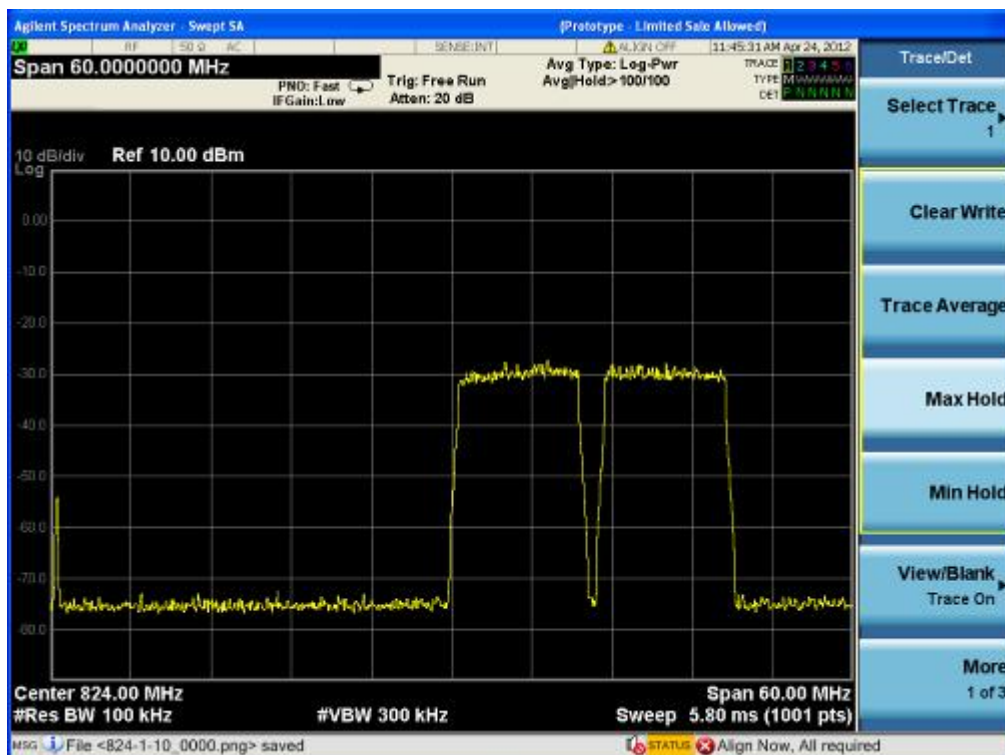
850MHz-LTE -64QAM downlink (highest frequency)- Output



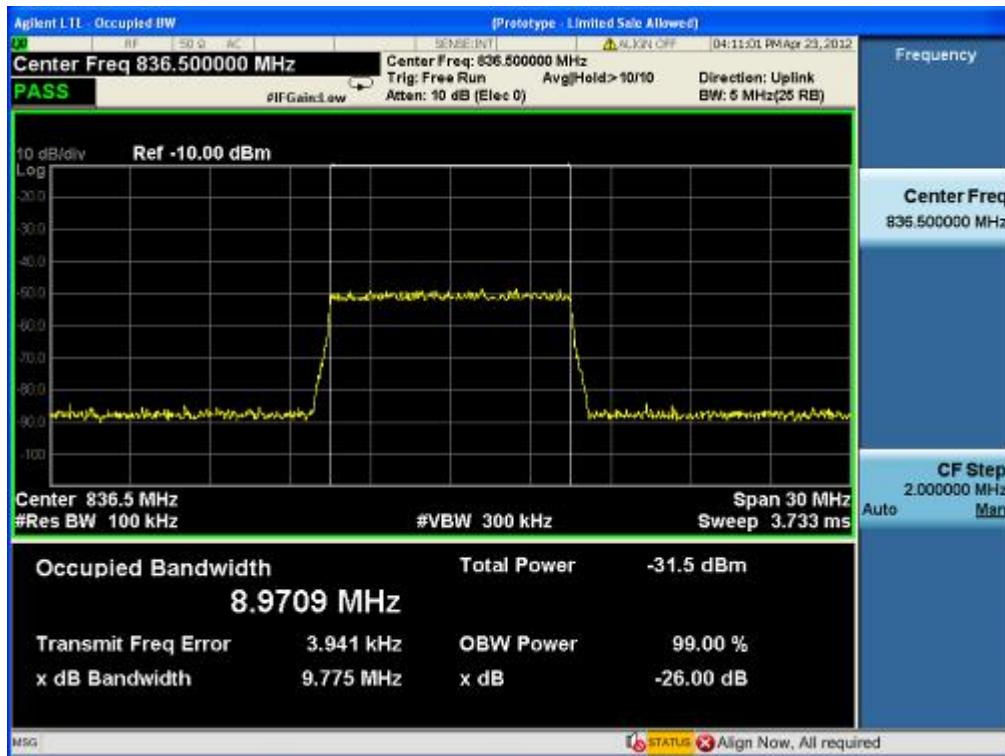
850MHz-LTE -64QAM uplink (lowest frequency)-Input



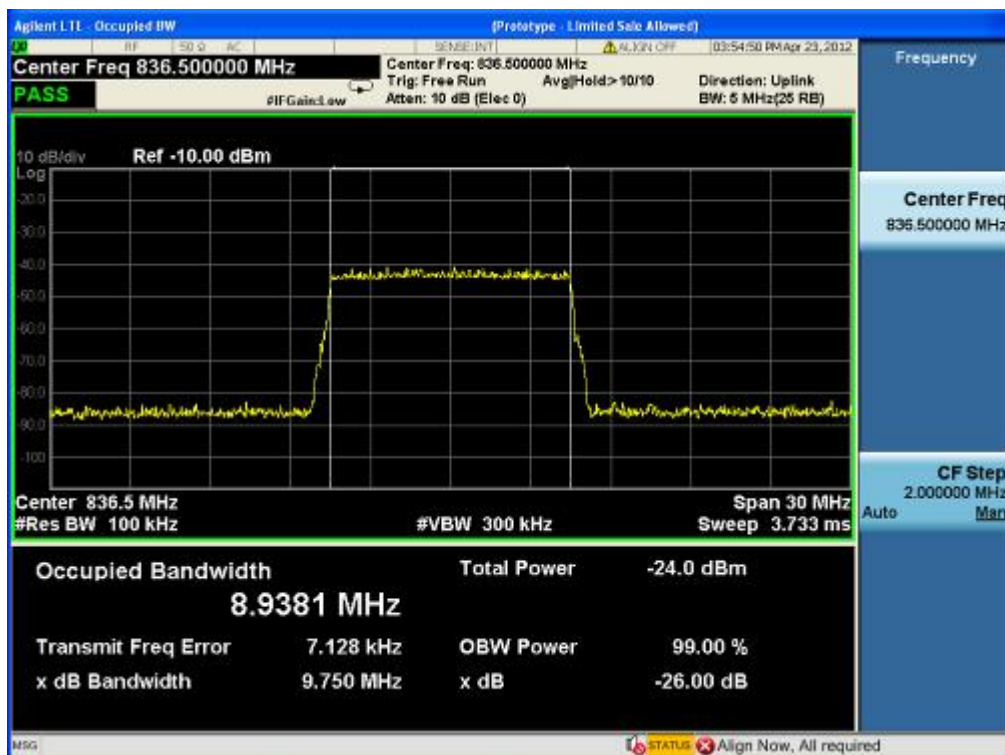
850MHz-LTE -64QAM uplink (lowest frequency)- Output



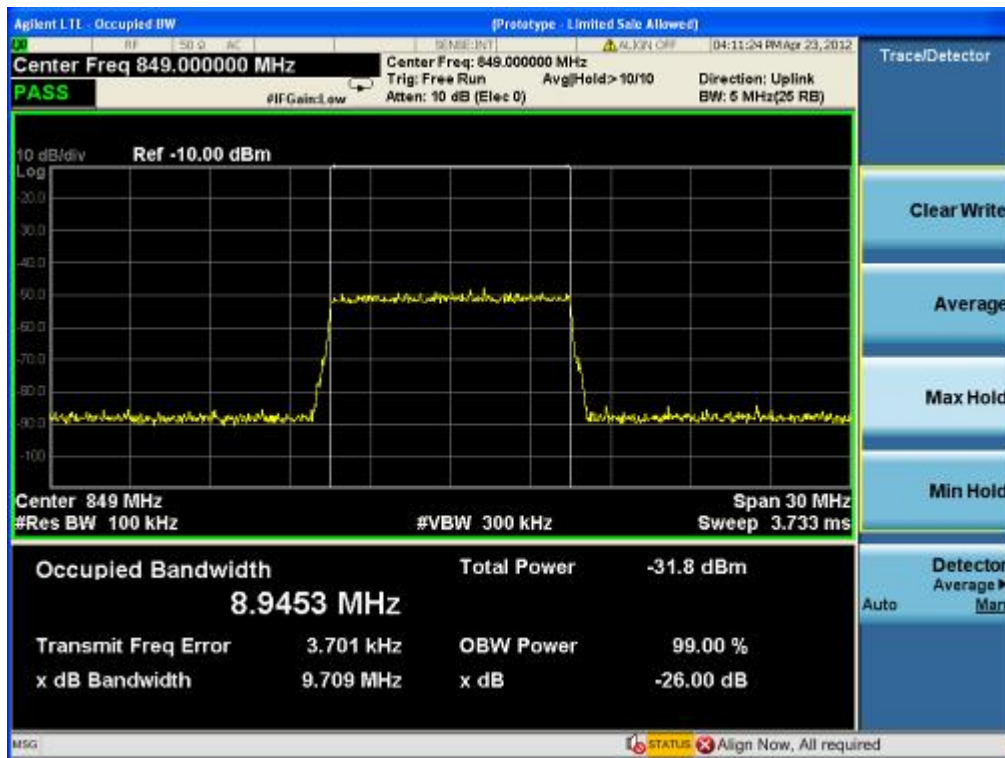
850MHz-LTE -64QAM uplink (middle frequency)-Input



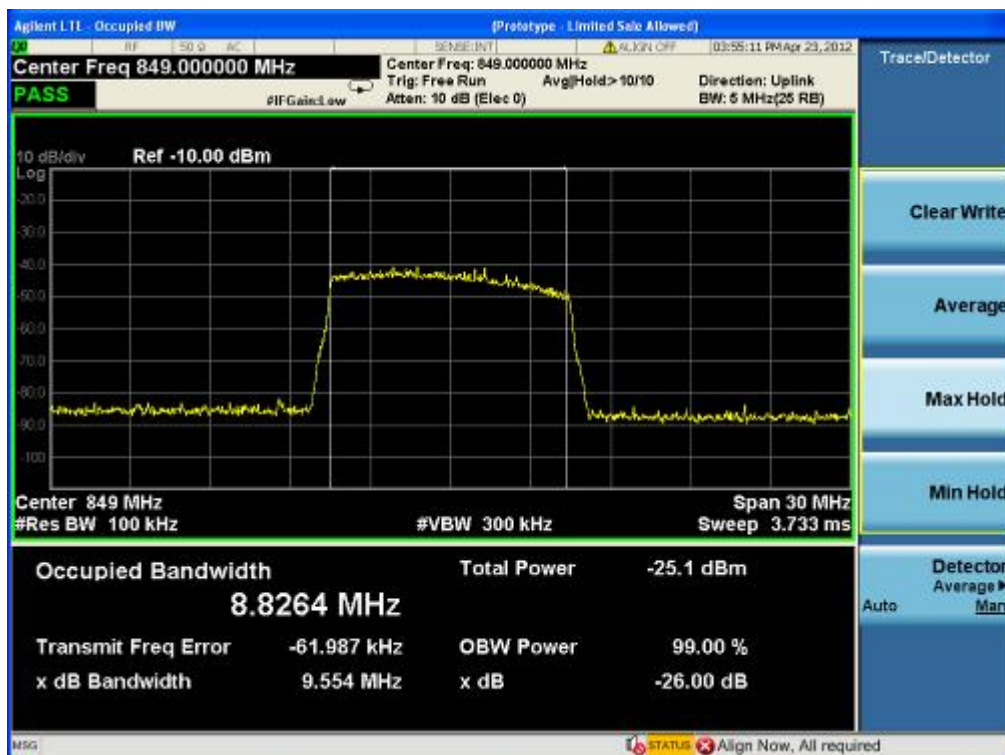
850MHz-LTE -64QAM uplink (middle frequency)-Output



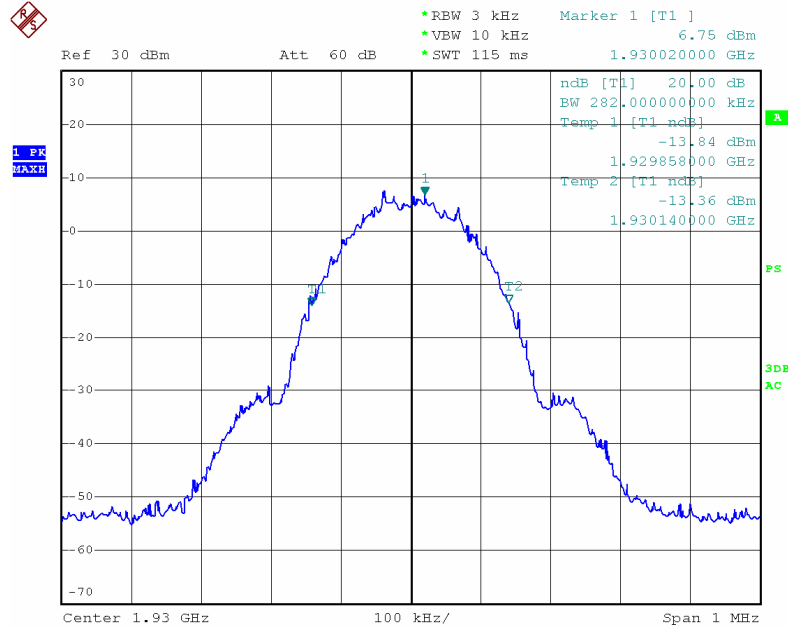
850MHz-LTE -64QAM uplink (highest frequency)-Input



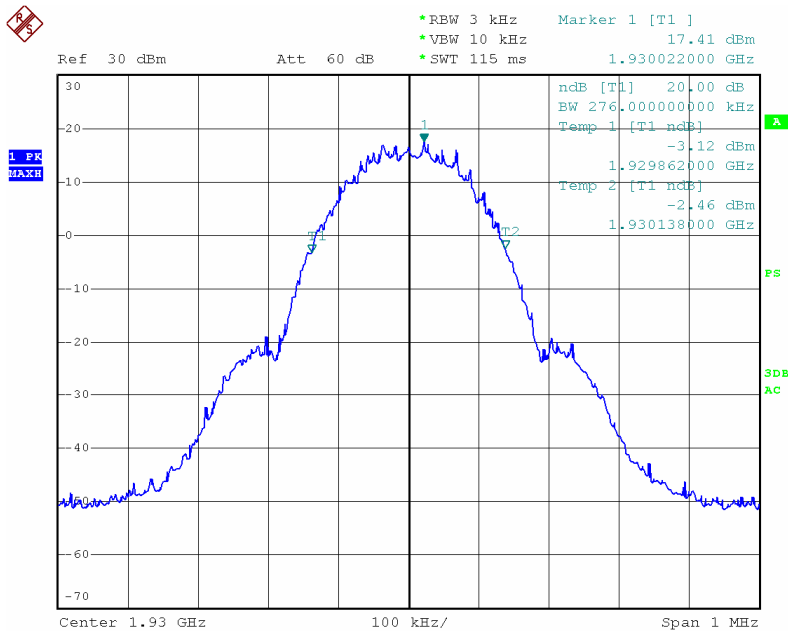
850MHz-LTE -64QAM uplink (highest frequency)- Output



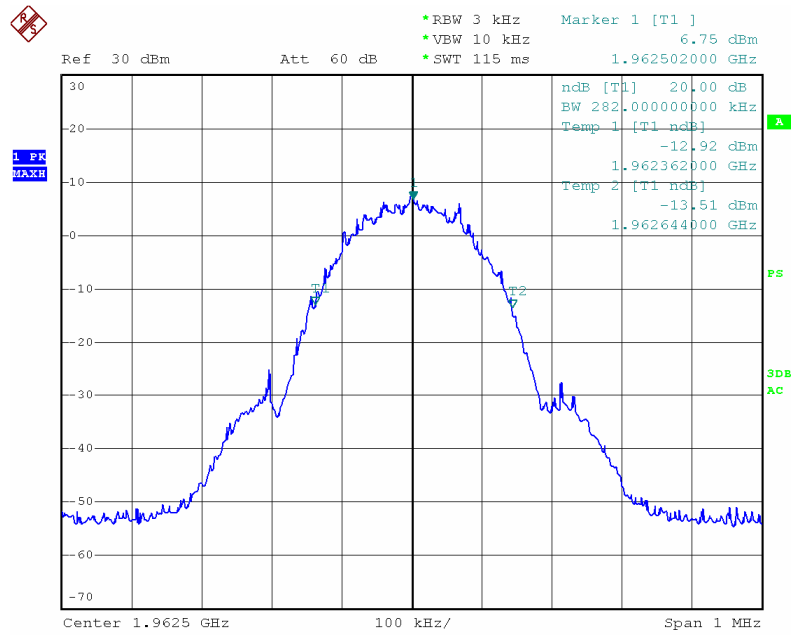
1900MHz-GSM downlink (lowest frequency)-Input



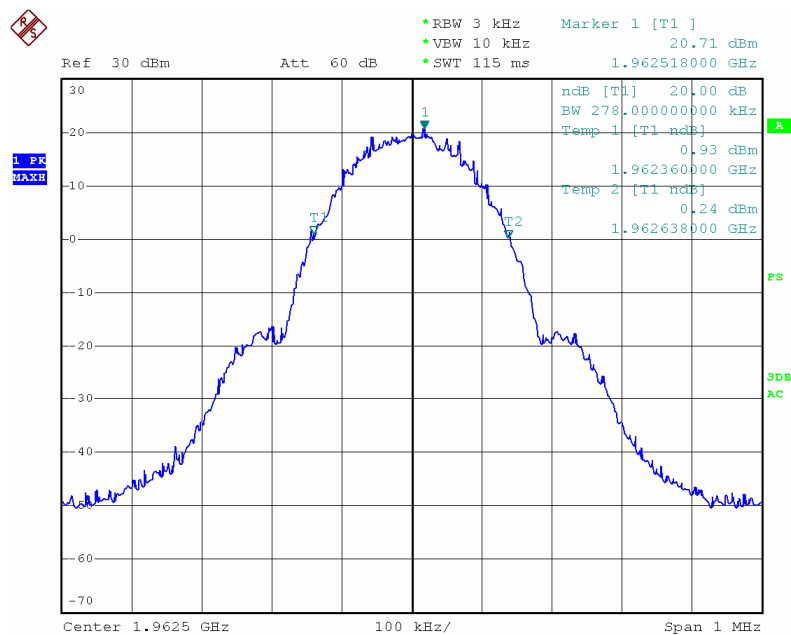
1900MHz-GSM downlink (lowest frequency)-Output



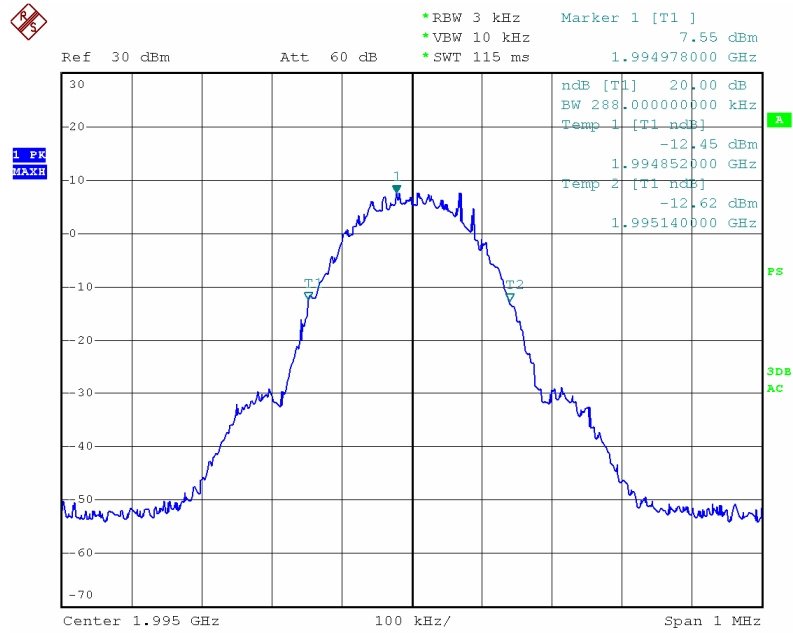
1900MHz-GSM downlink (middle frequency)-Input



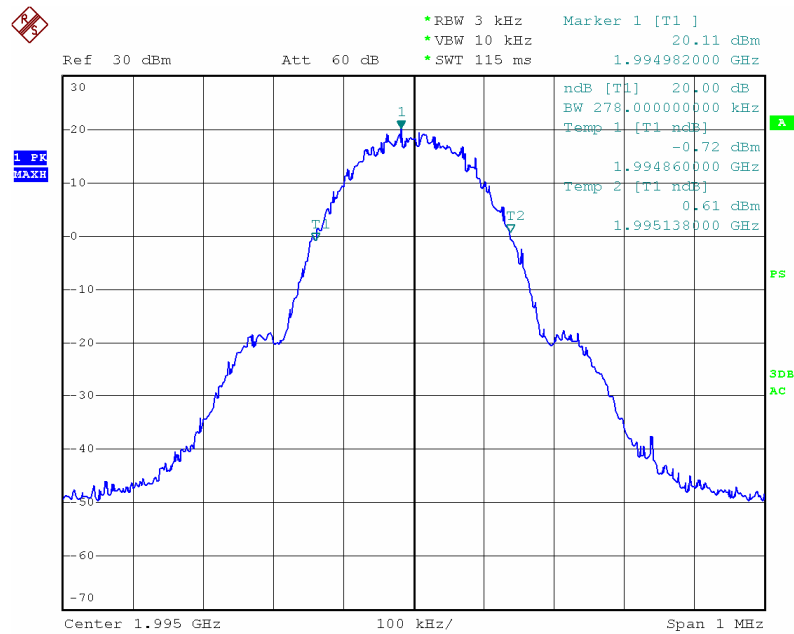
1900MHz-GSM downlink (middle frequency)- Output



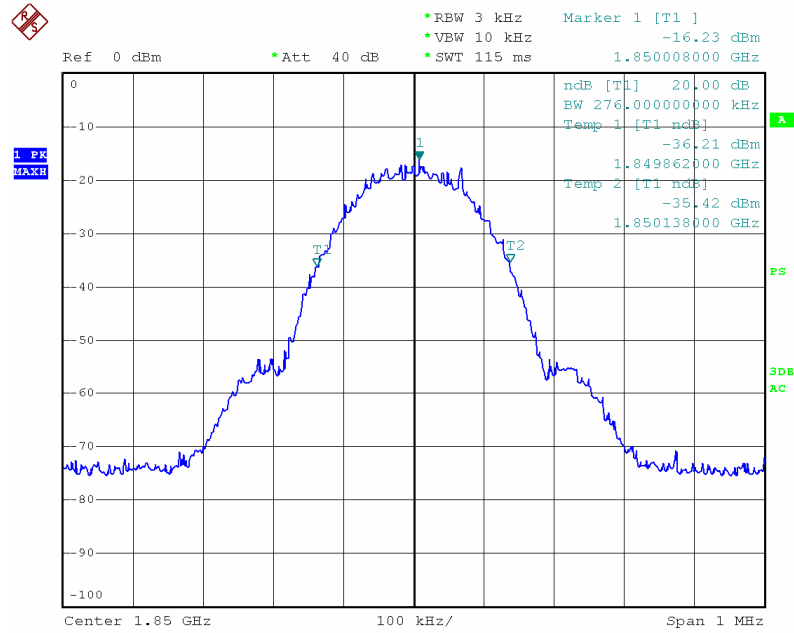
1900MHz-GSM downlink (highest frequency)-Input



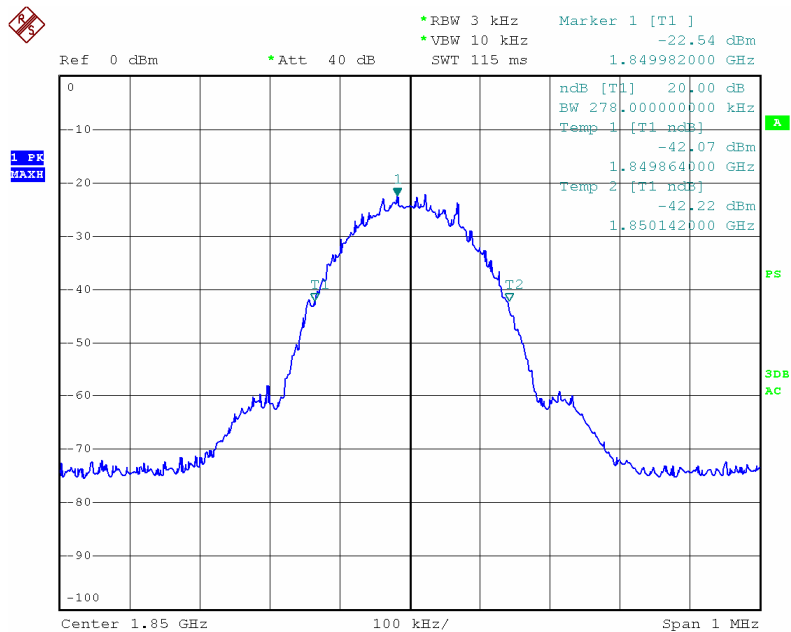
1900MHz-GSM downlink (highest frequency)- Output



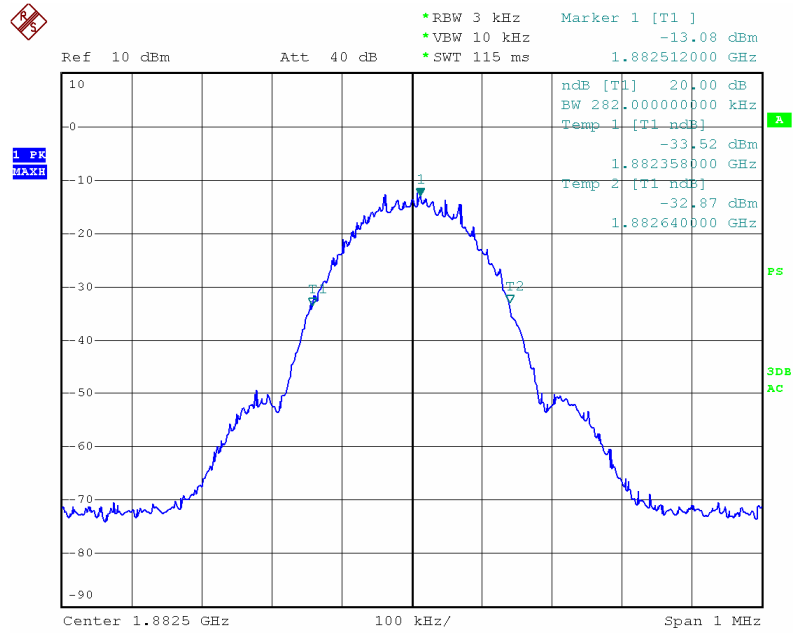
1900MHz-GSM uplink (lowest frequency)-Input



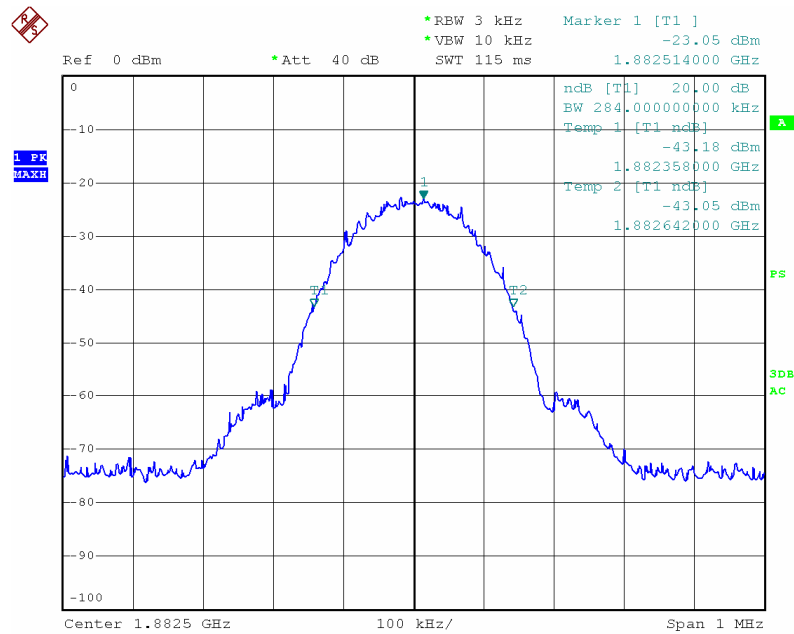
1900MHz-GSM uplink (lowest frequency)- Output



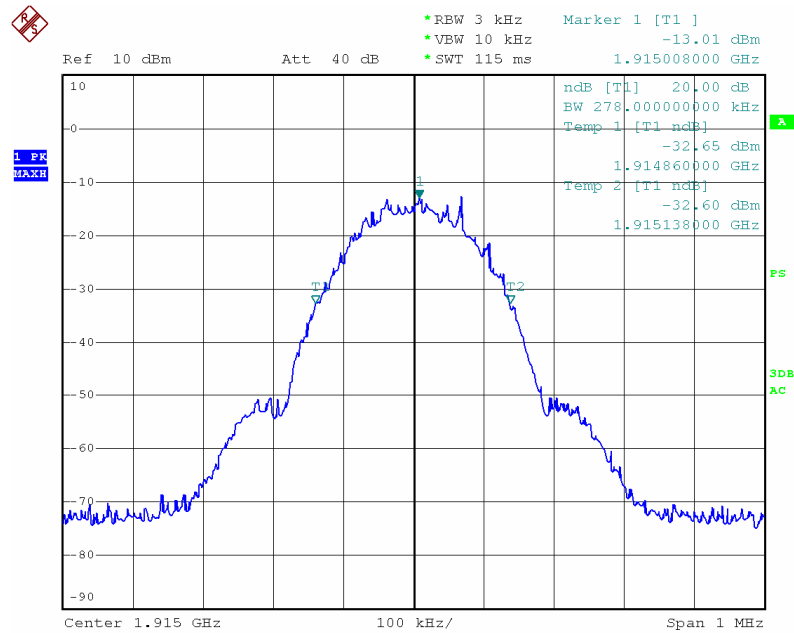
1900MHz-GSM uplink (middle frequency)-Input



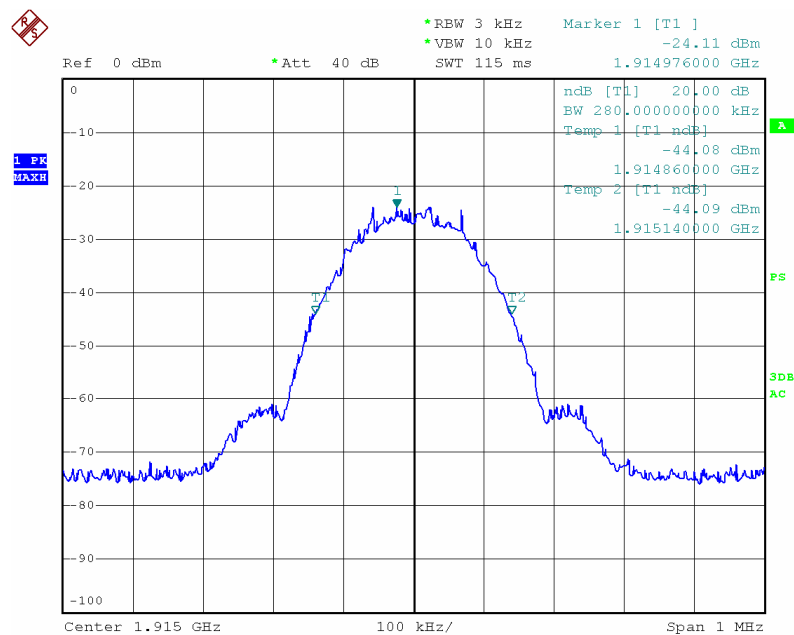
1900MHz-GSM uplink (middle frequency)-Output



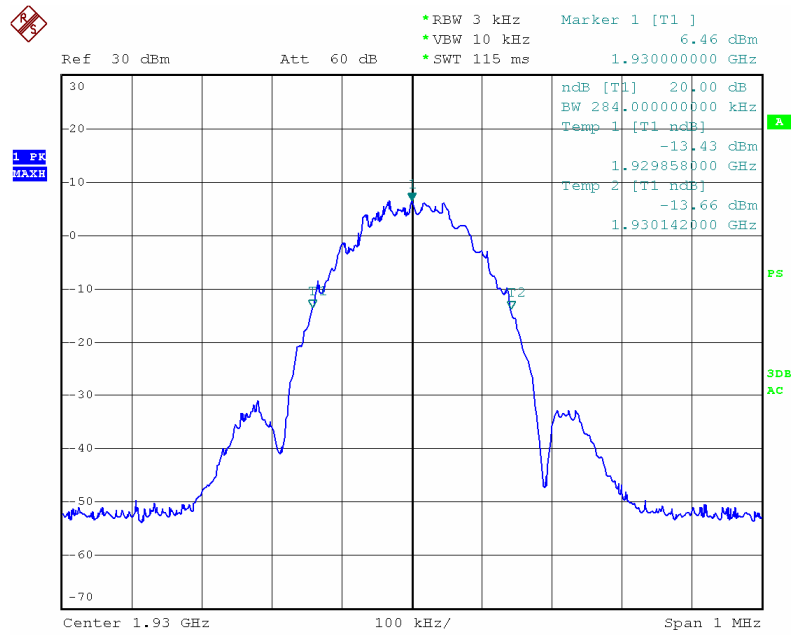
1900MHz-GSM uplink (highest frequency)-Input



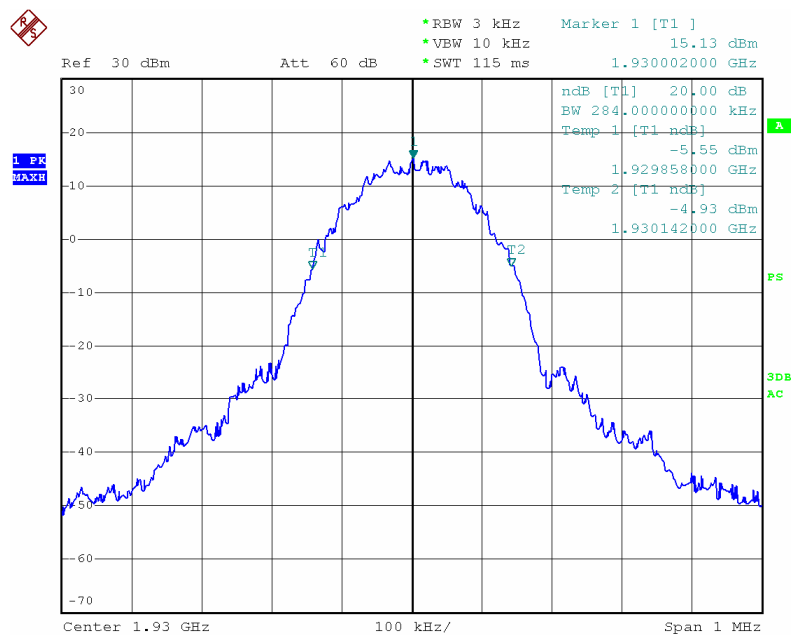
1900MHz-GSM uplink (highest frequency)- Output



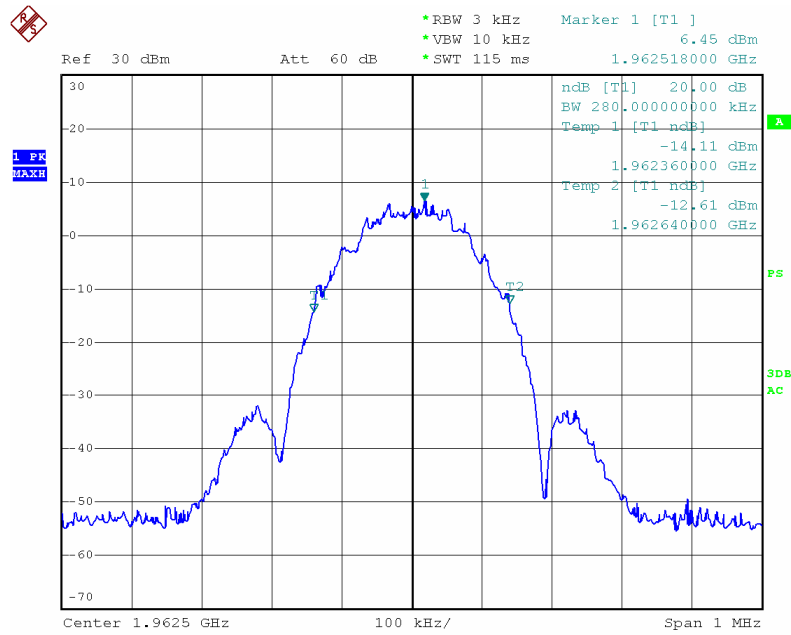
1900MHz-EDGE downlink (lowest frequency)-Input



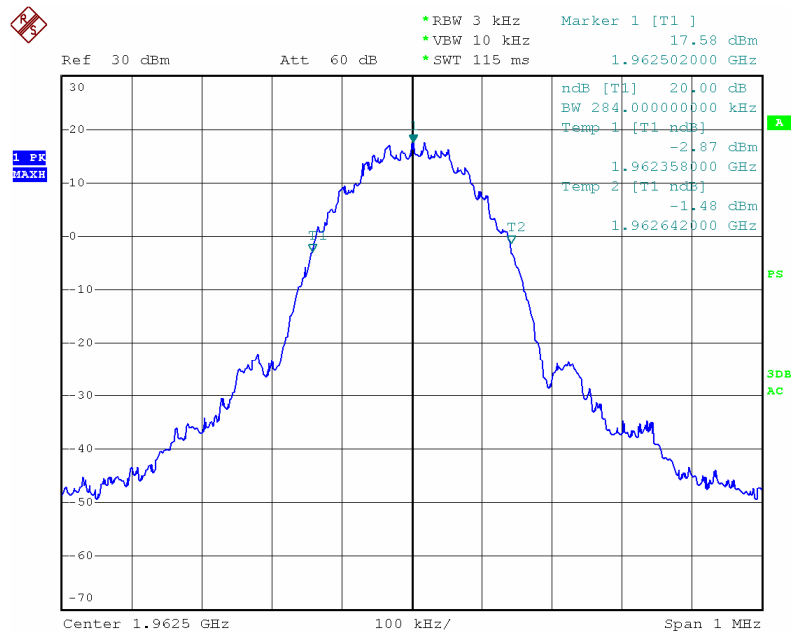
1900MHz-EDGE downlink (lowest frequency)-Output



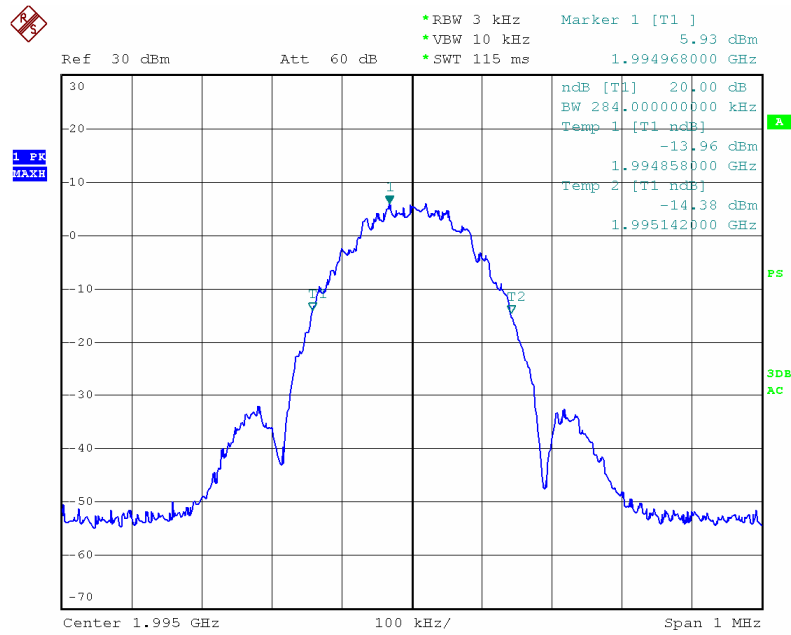
1900MHz-EDGE downlink (middle frequency)-Input



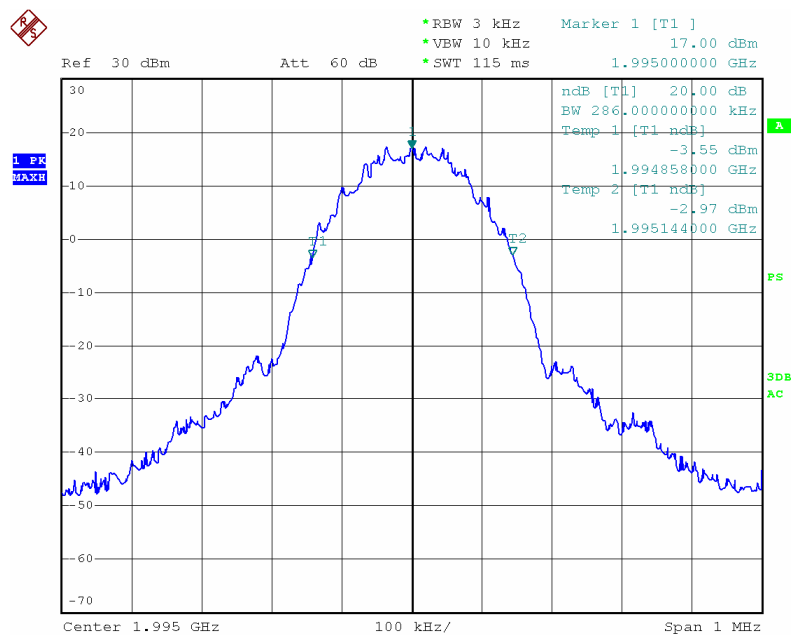
1900MHz-EDGE downlink (middle frequency)- Output



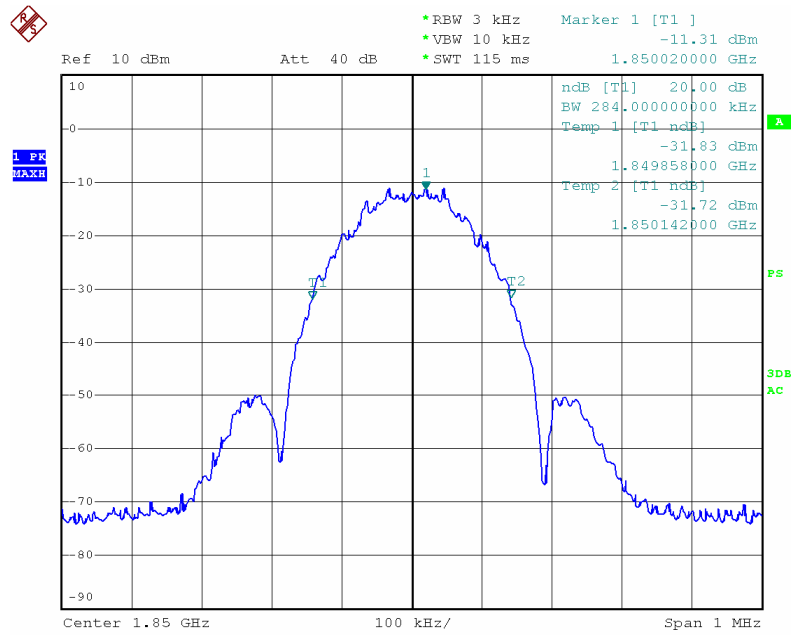
1900MHz-EDGE downlink (highest frequency)-Input



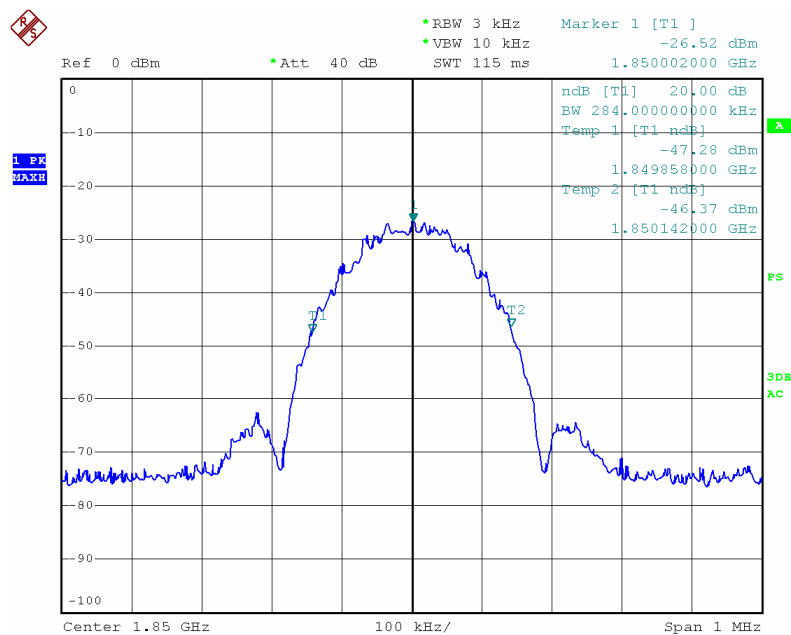
1900MHz-EDGE downlink (highest frequency)- Output



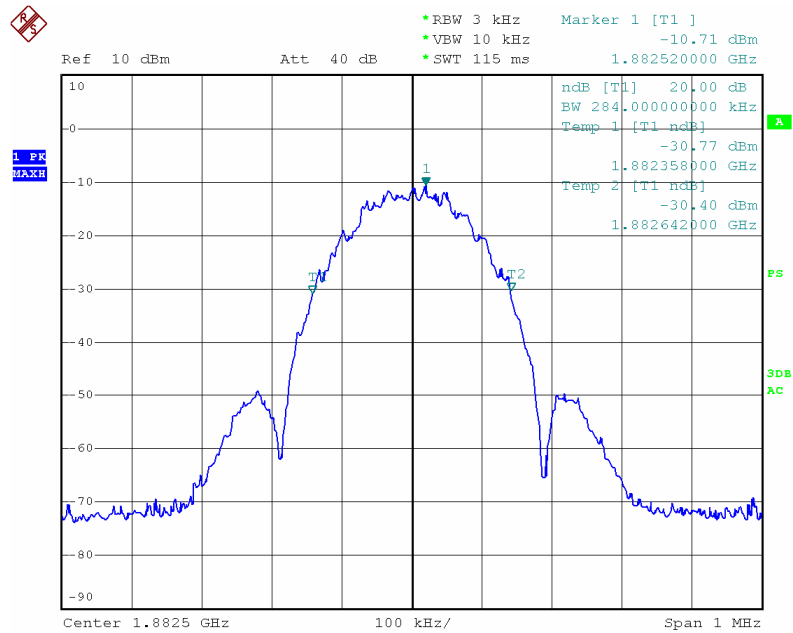
1900MHz-EDGE uplink (lowest frequency)-Input



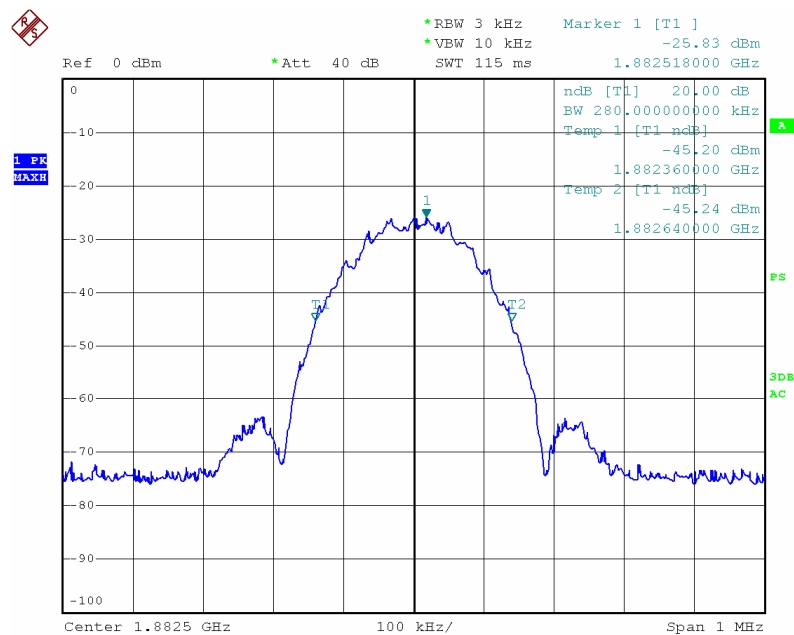
1900MHz-EDGE uplink (lowest frequency)- Output



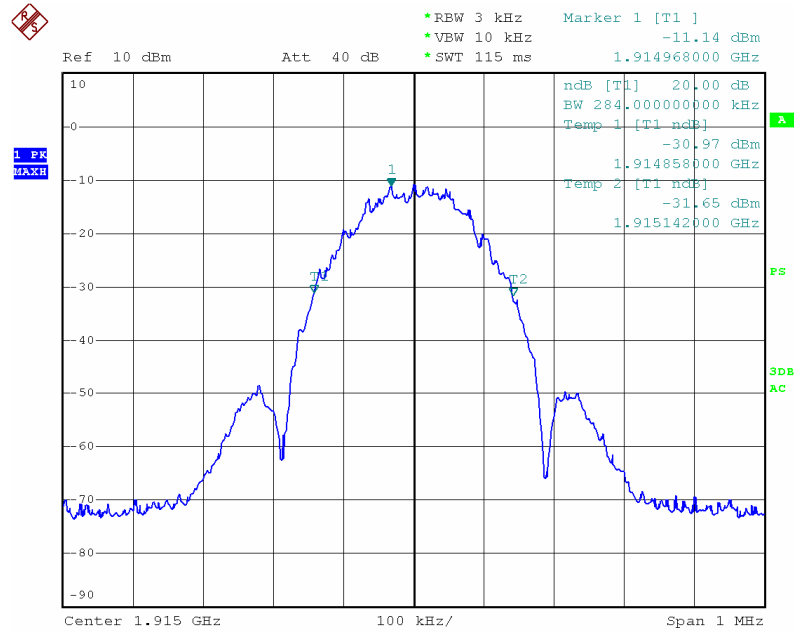
1900MHz-EDGE uplink (middle frequency)-Input



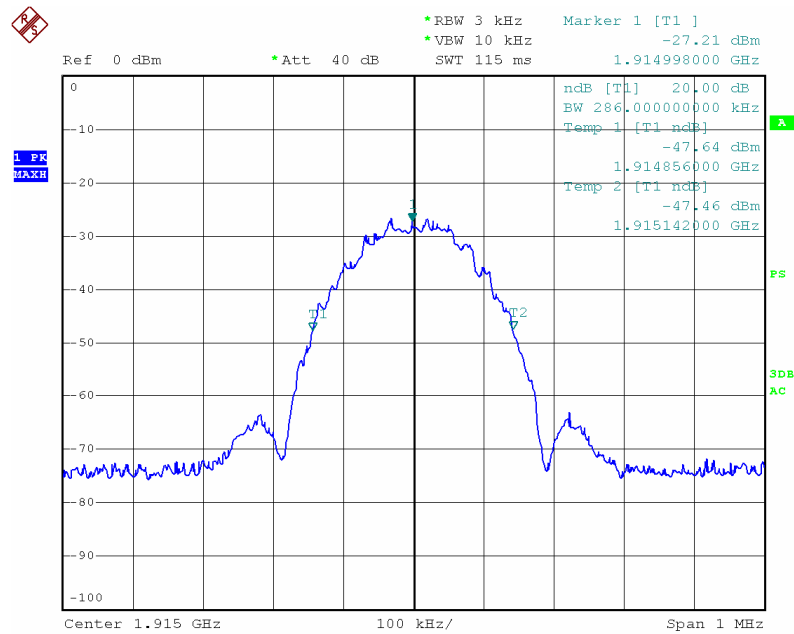
1900MHz-EDGE uplink (middle frequency)-Output



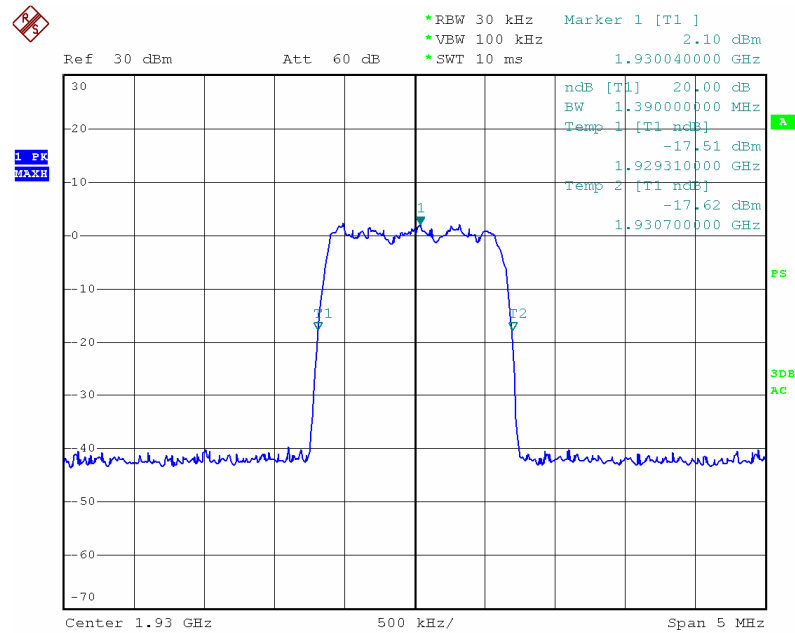
1900MHz-EDGE uplink (highest frequency)-Input



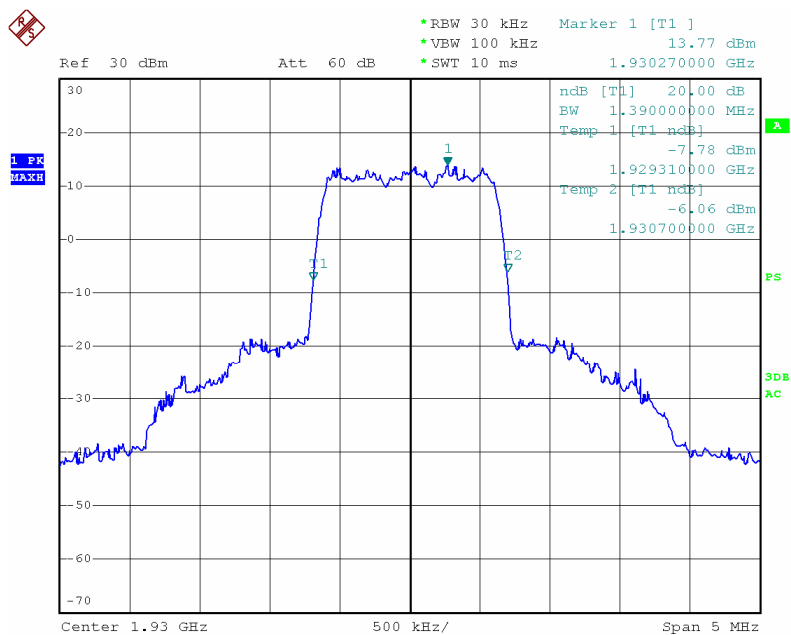
1900MHz-EDGE uplink (highest frequency)- Output



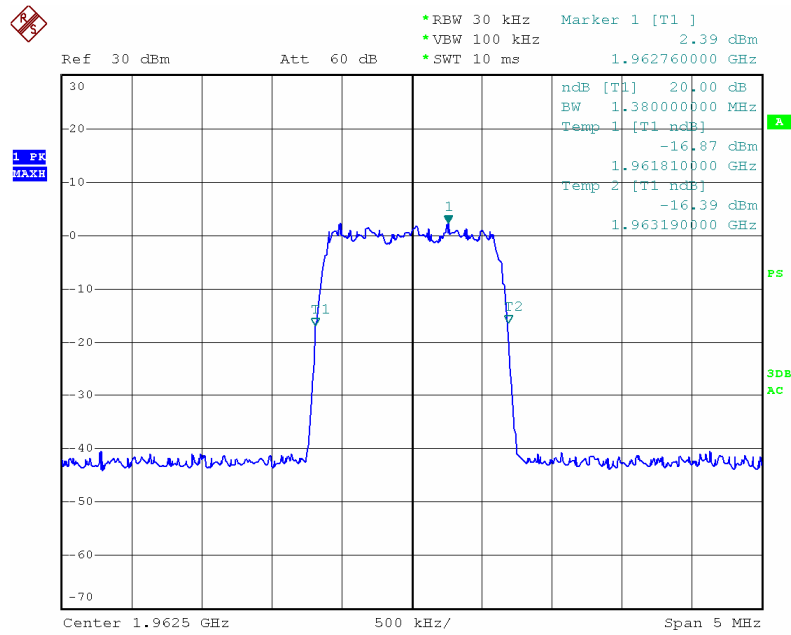
1900MHz-CDMA2000 downlink (lowest frequency)-Input



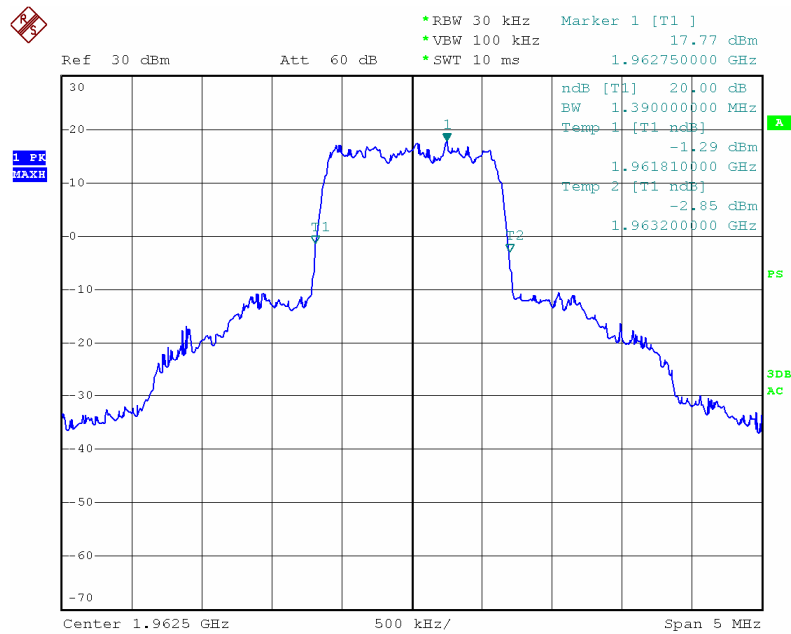
1900MHz-CDMA2000 downlink (lowest frequency)-Output



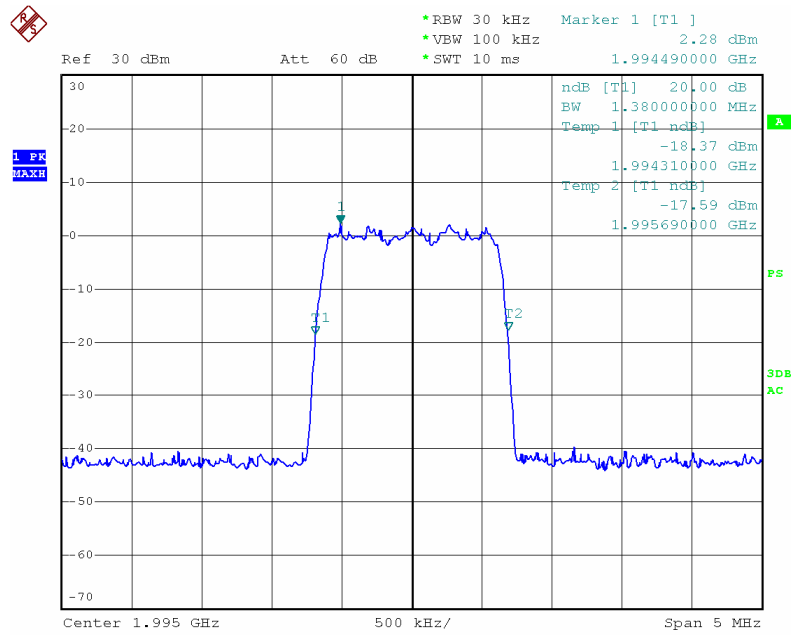
1900MHz-CDMA2000 downlink (middle frequency)-Input



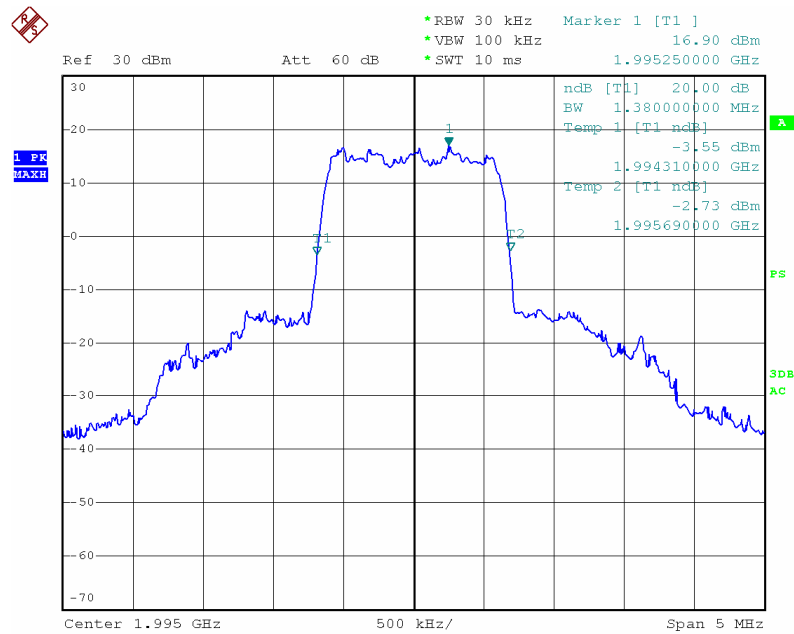
1900MHz-CDMA2000 downlink (middle frequency)- Output



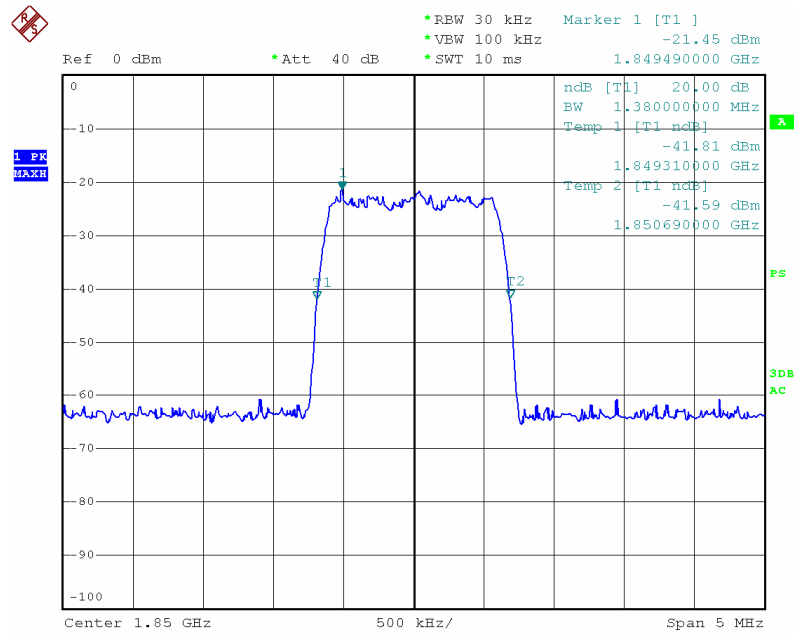
1900MHz-CDMA2000 downlink (highest frequency)-Input



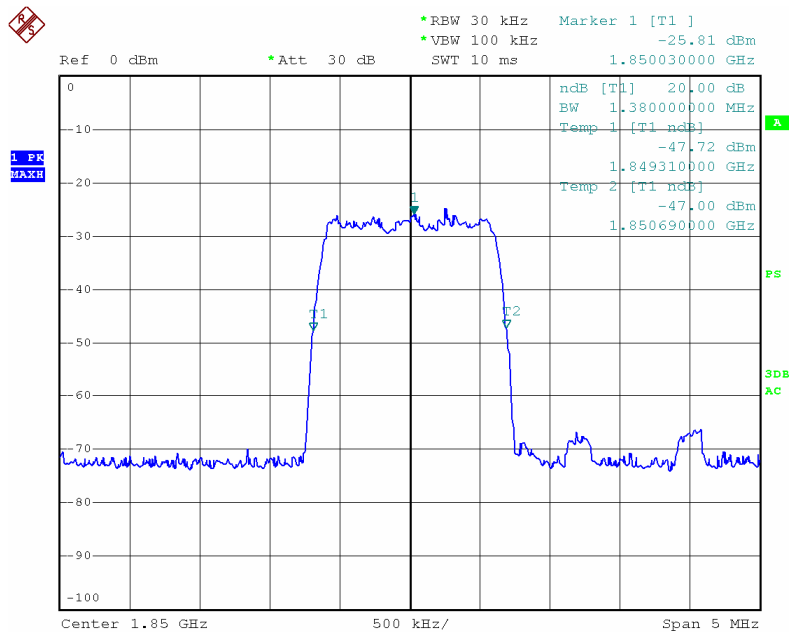
1900MHz-CDMA2000 downlink (highest frequency)- Output



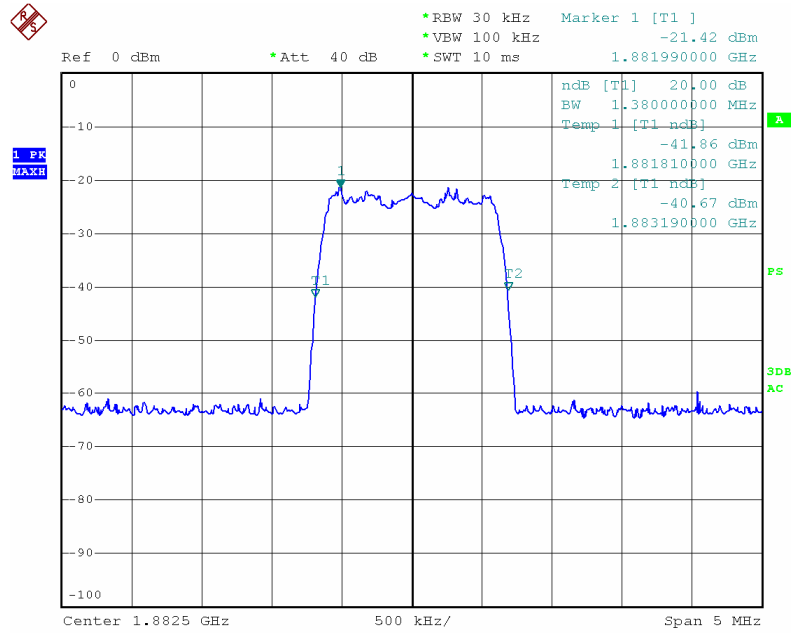
1900MHz-CDMA2000 uplink (lowest frequency)-Input



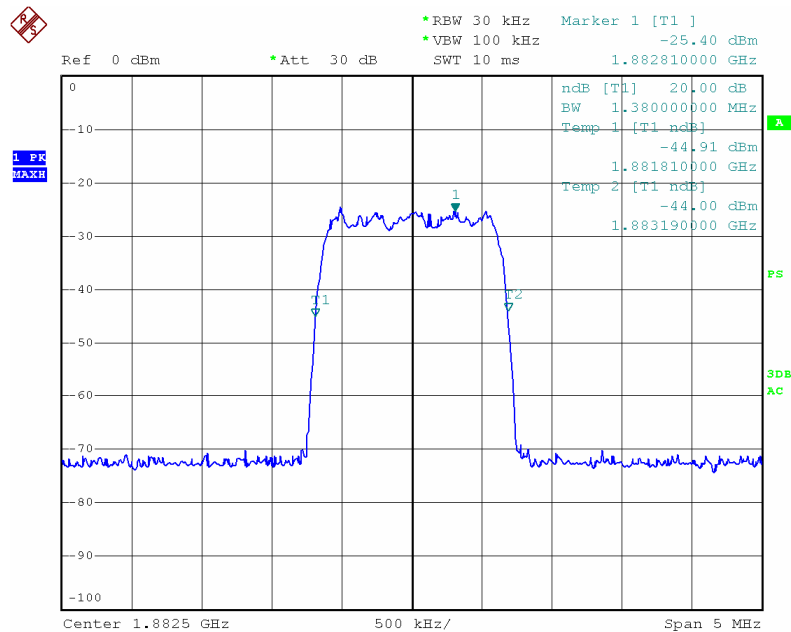
1900MHz-CDMA2000 uplink (lowest frequency)- Output



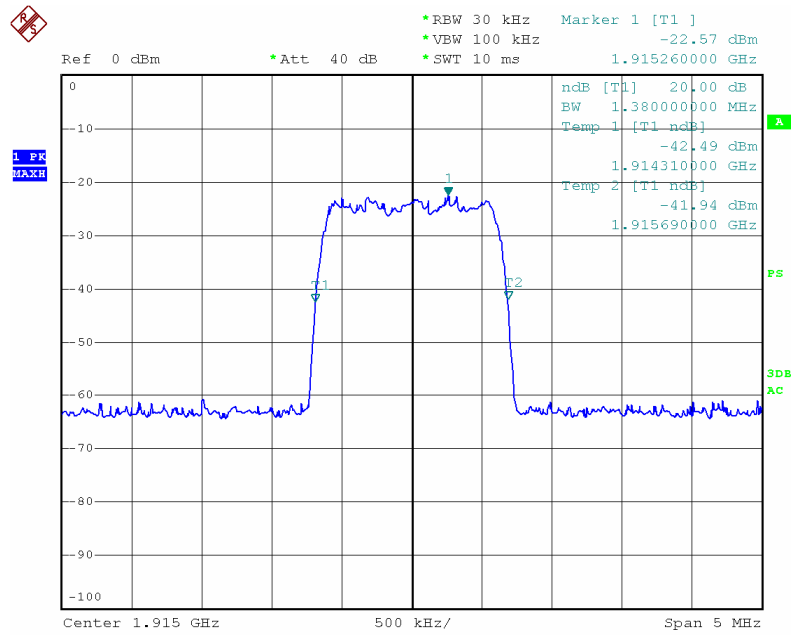
1900MHz-CDMA2000 uplink (middle frequency)-Input



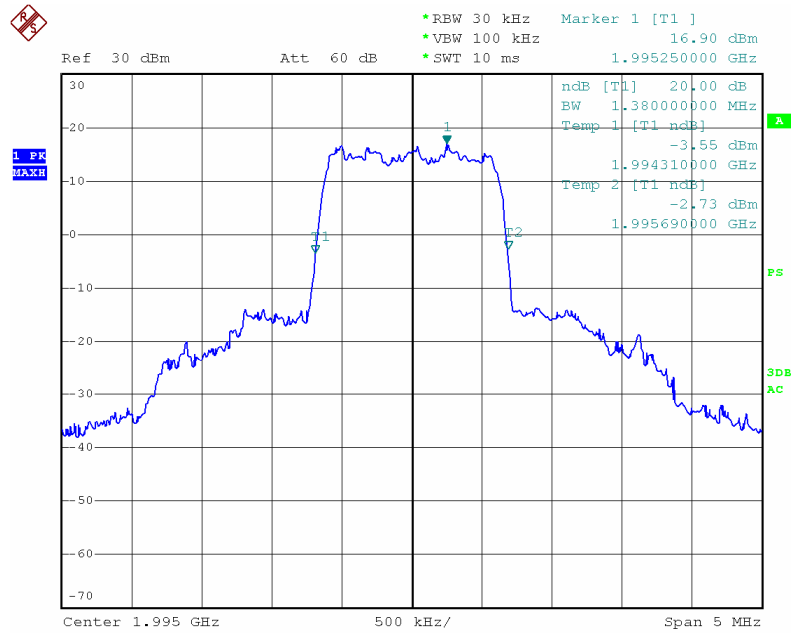
1900MHz-CDMA2000 uplink (middle frequency)-Output



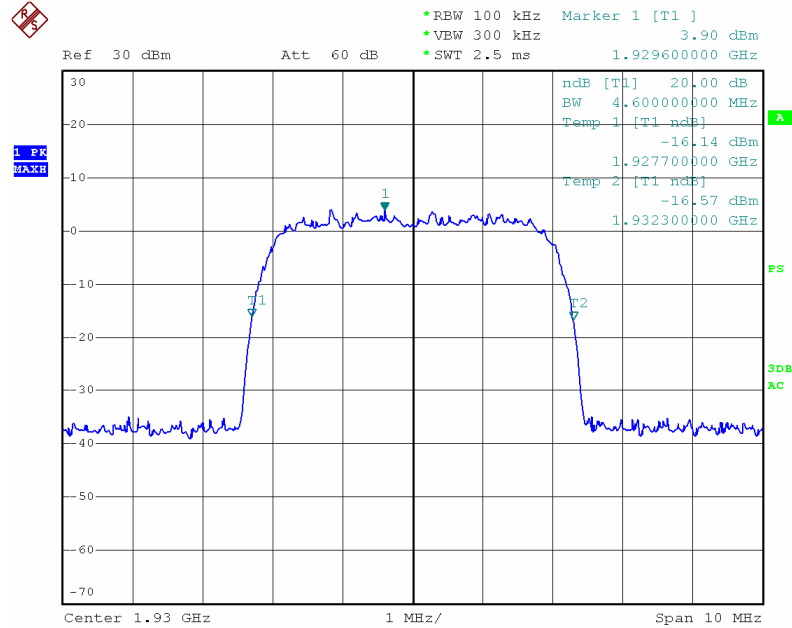
1900MHz-CDMA2000 uplink (highest frequency)-Input



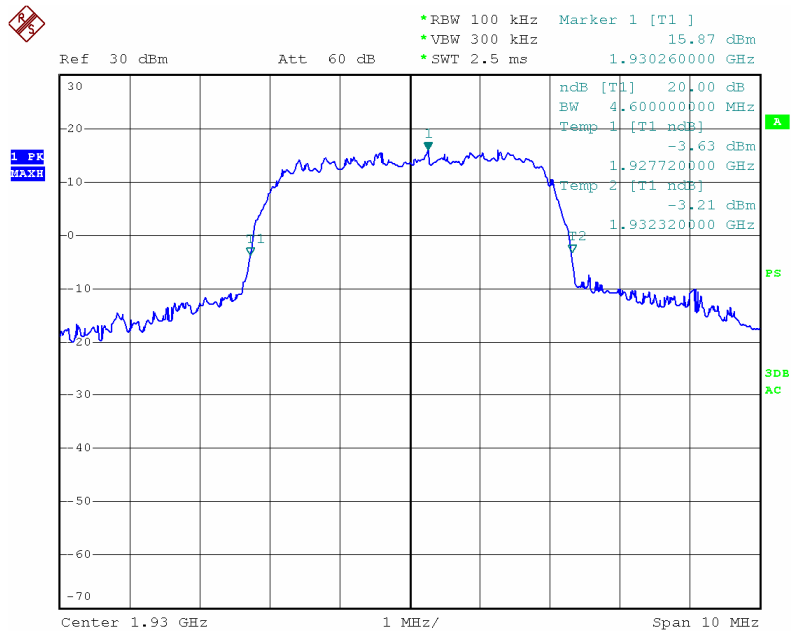
1900MHz-CDMA2000 uplink (highest frequency)- Output



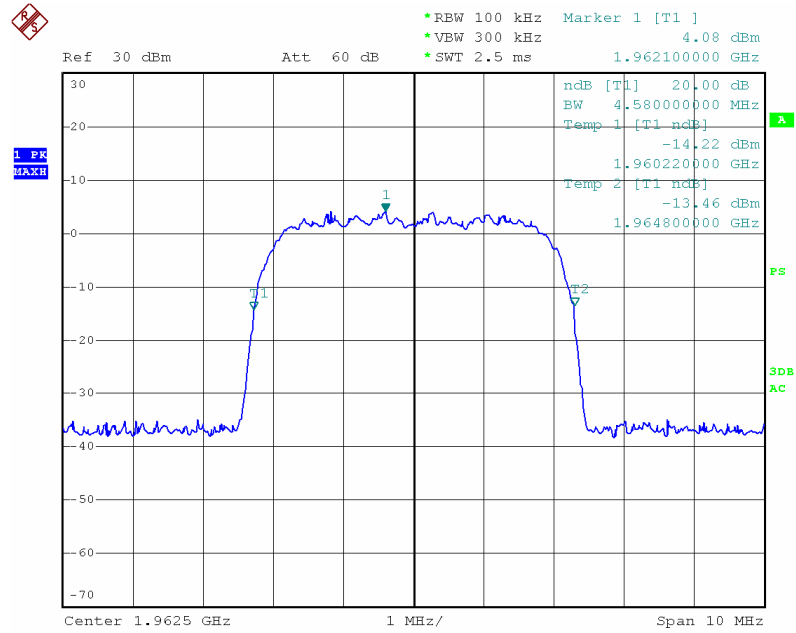
1900MHz-WCDMA downlink (lowest frequency)-Input



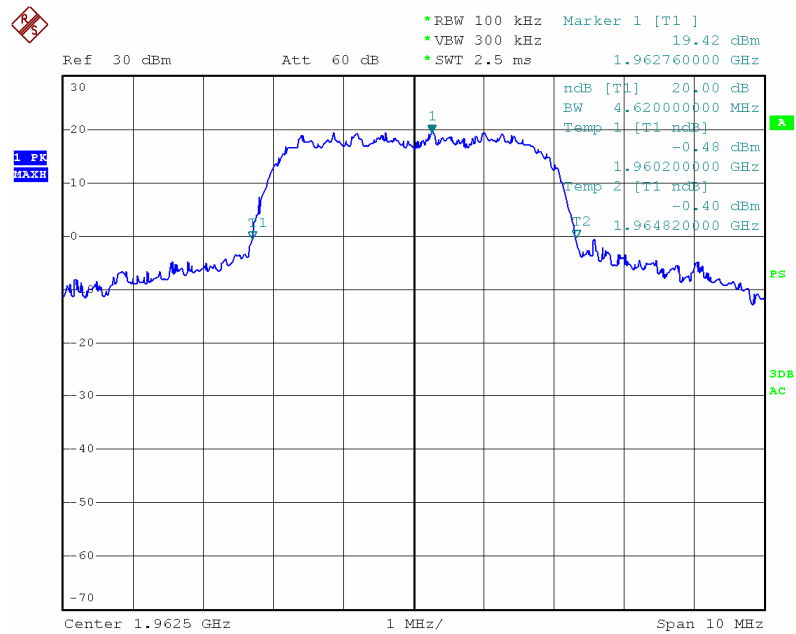
1900MHz-WCDMA downlink (lowest frequency)-Output



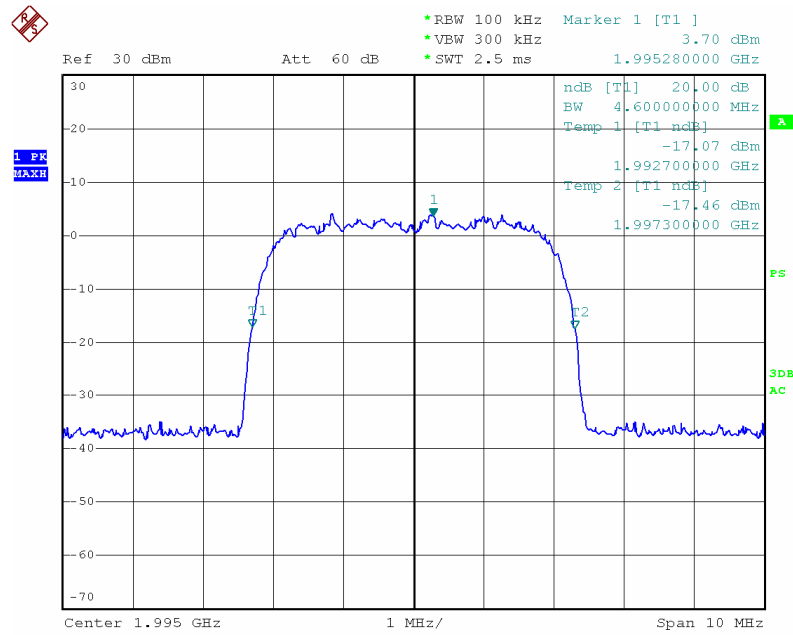
1900MHz-WCDMA downlink (middle frequency)-Input



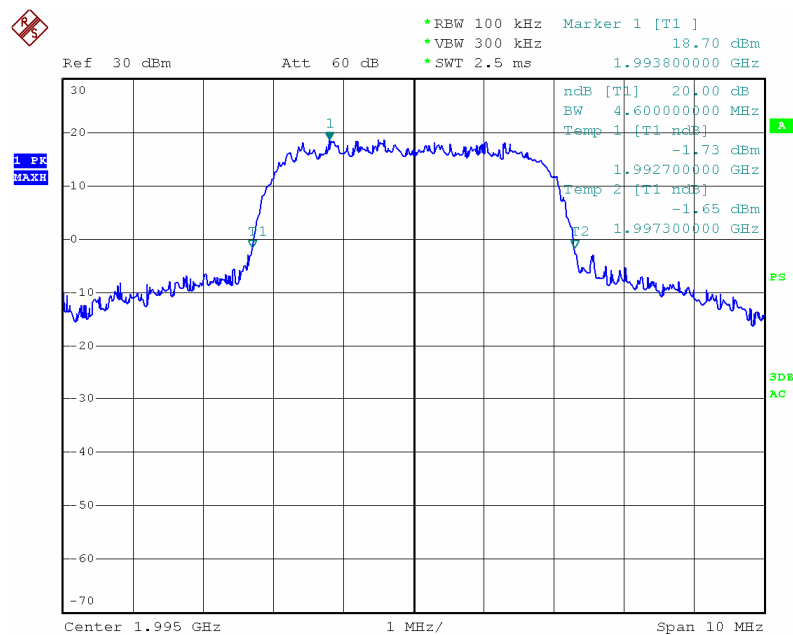
1900MHz-WCDMA downlink (middle frequency)- Output



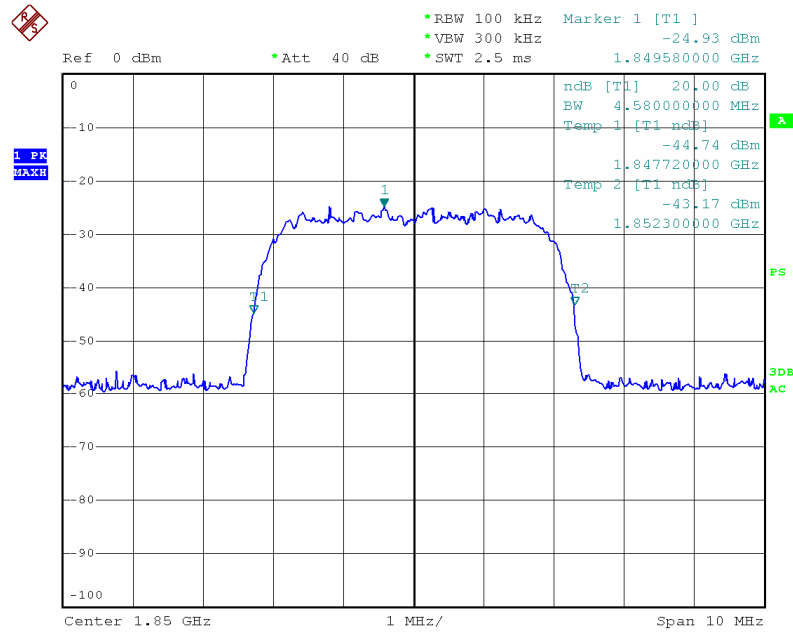
1900MHz-WCDMA downlink (highest frequency)-Input



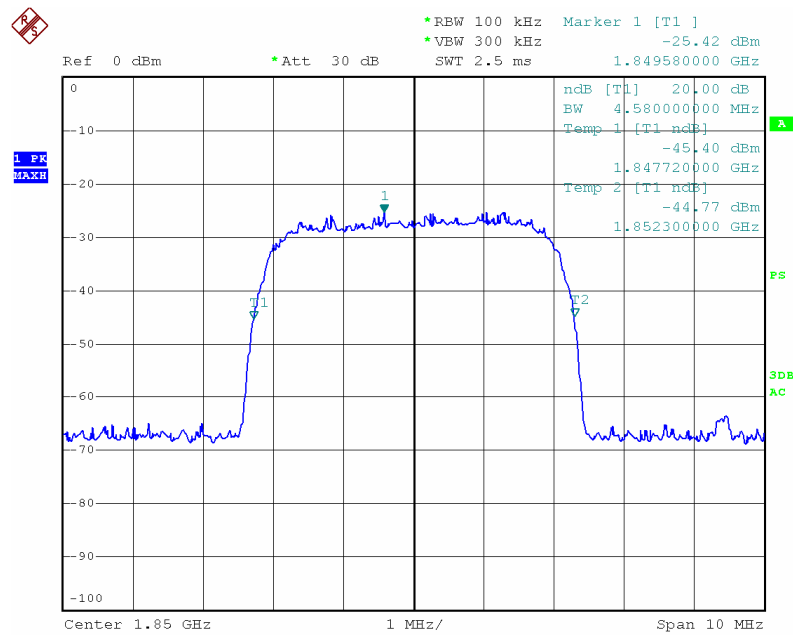
1900MHz-WCDMA downlink (highest frequency)- Output



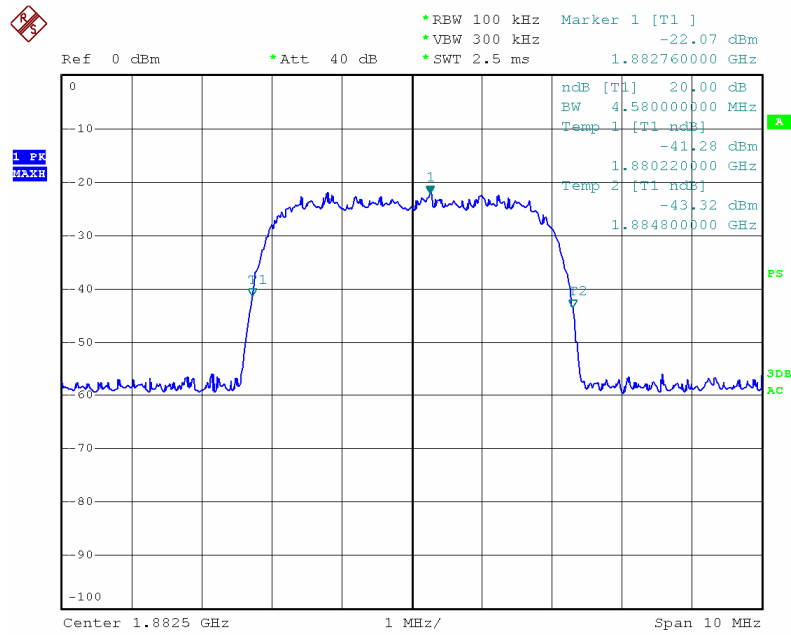
1900MHz-WCDMA uplink (lowest frequency)-Input



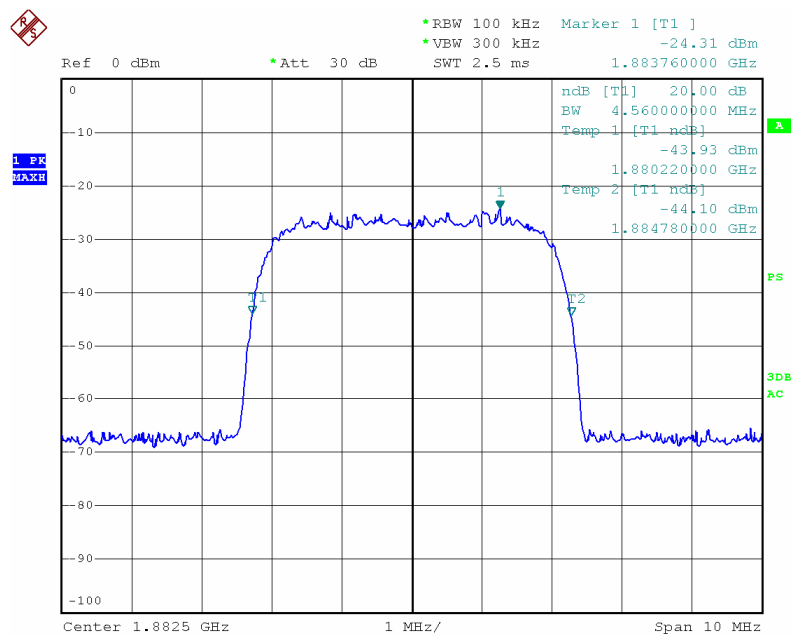
1900MHz-WCDMA uplink (lowest frequency)- Output



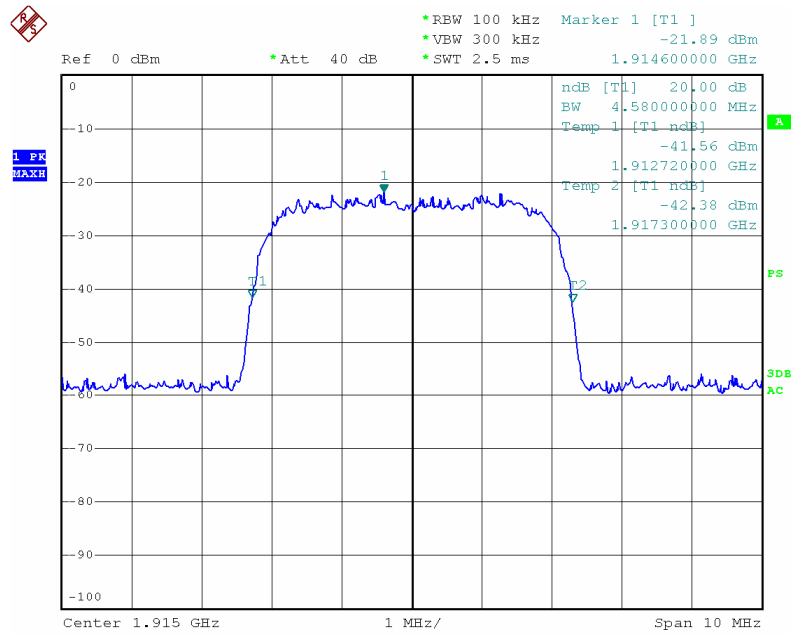
1900MHz-WCDMA uplink (middle frequency)-Input



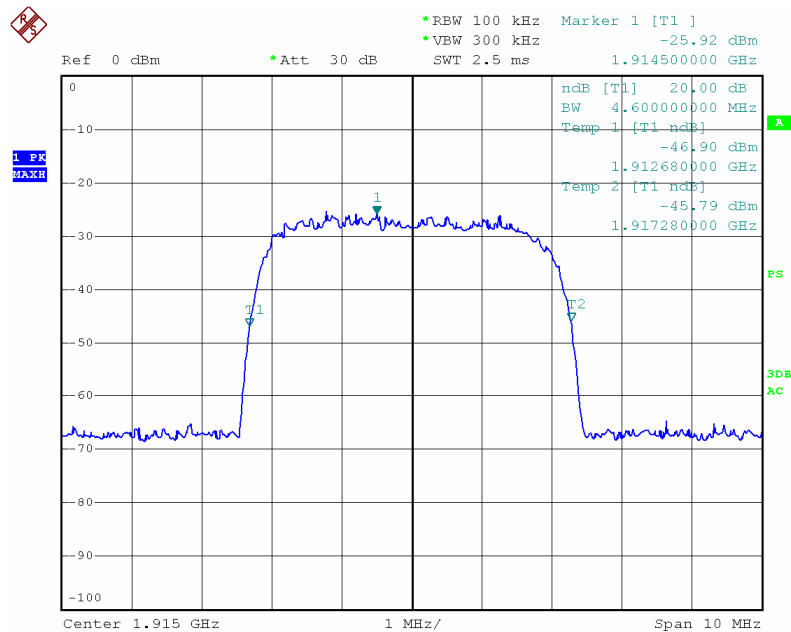
1900MHz-WCDMA uplink (middle frequency)-Output



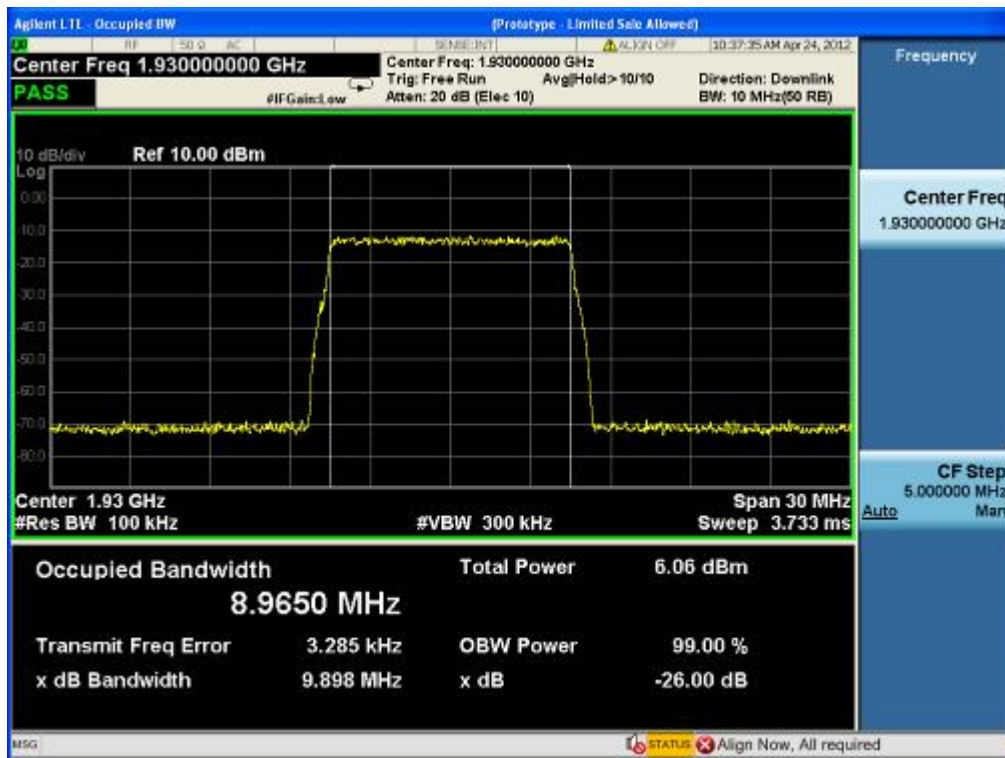
19 00MHz-WCDMA uplink (highest frequency)-Input



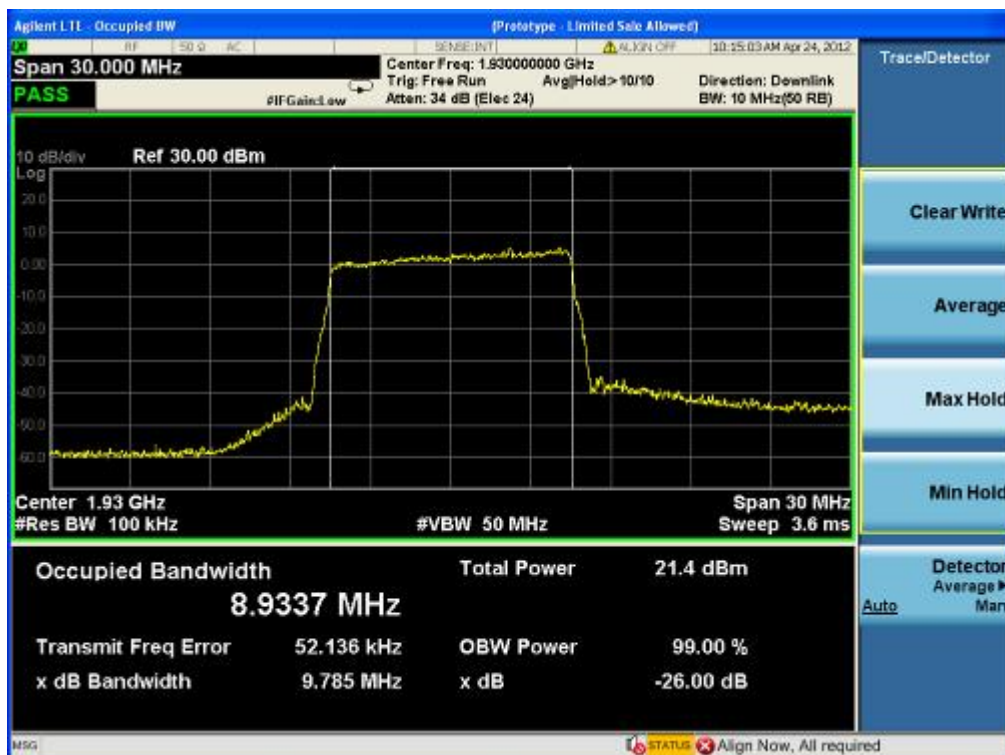
1900MHz-WCDMA uplink (highest frequency)- Output



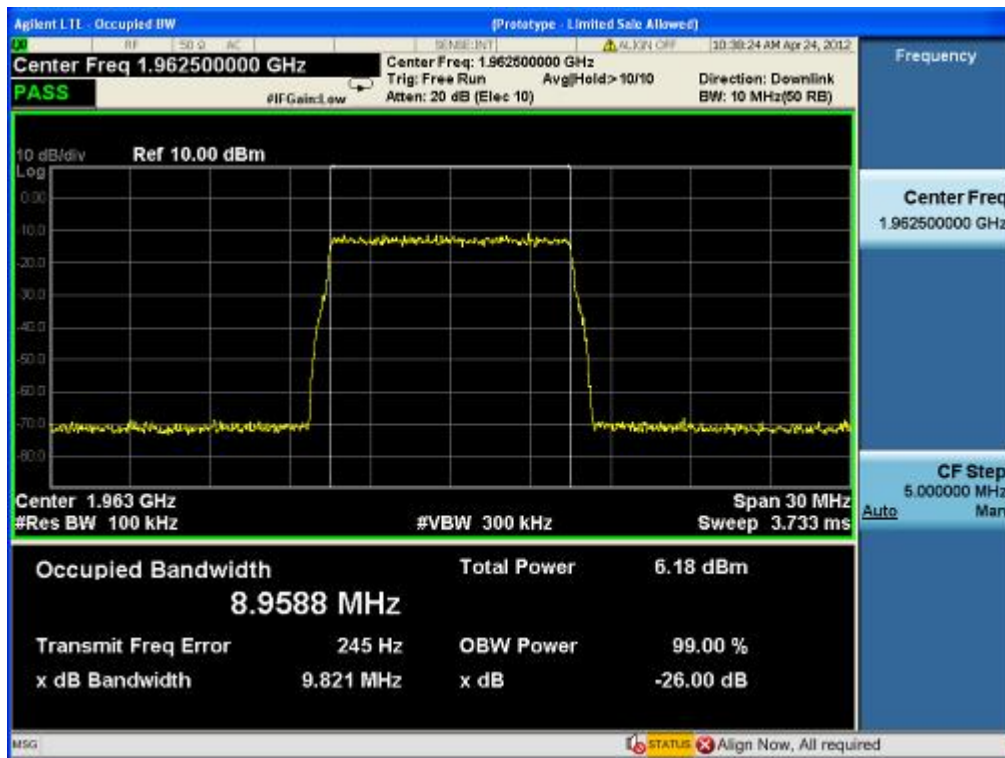
1900MHz-LTE-QPSK downlink (lowest frequency)-Input



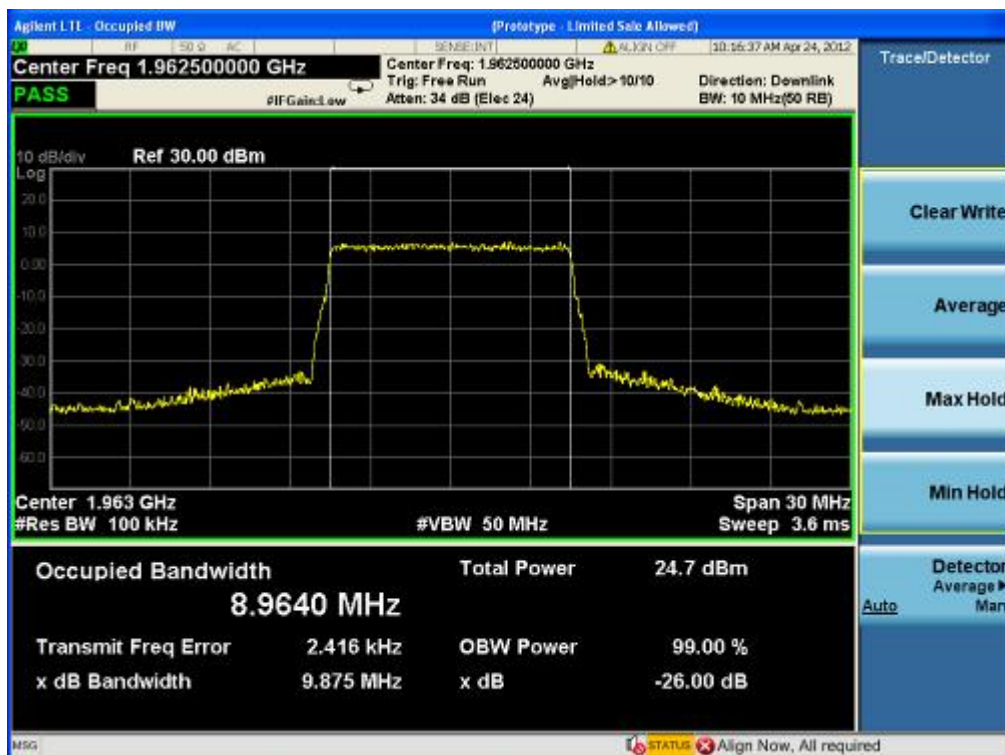
1900MHz-LTE -QPSK downlink (lowest frequency)-Output



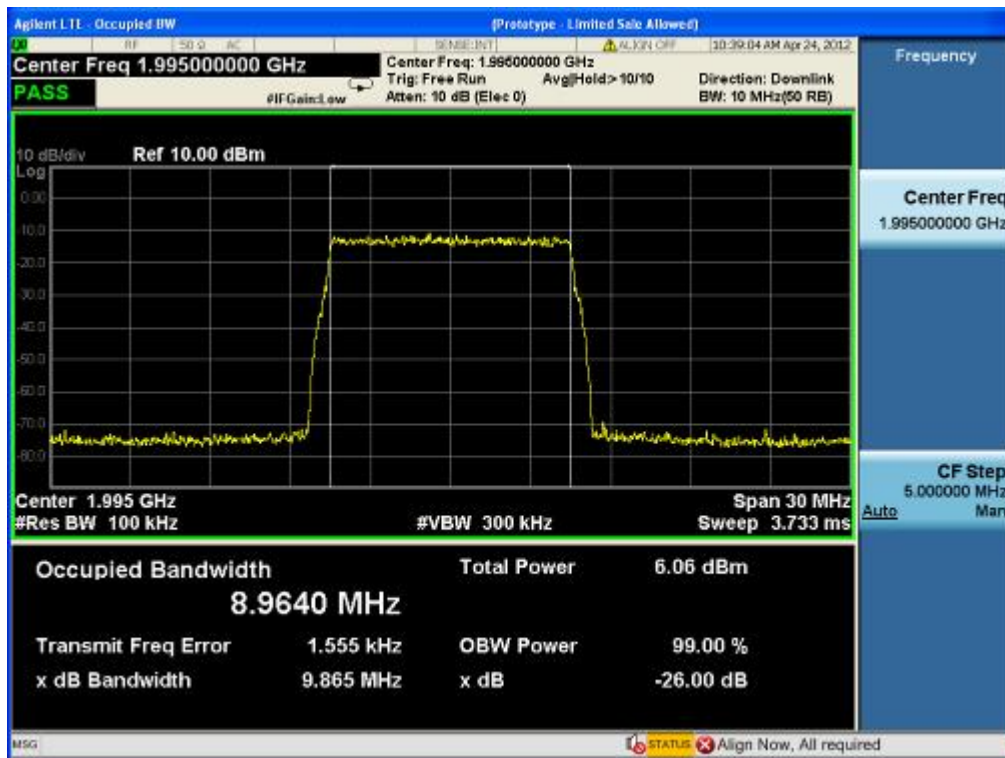
1900MHz-LTE-QPSK downlink (middle frequency)-Input



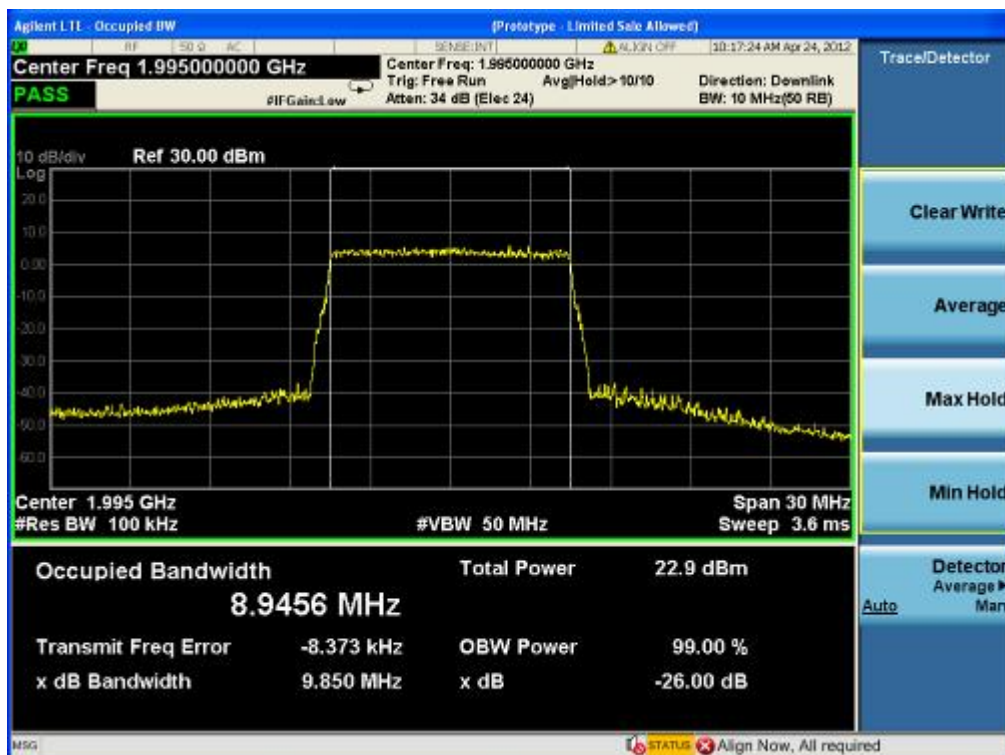
1900MHz-LTE-QPSK downlink (middle frequency)- Output



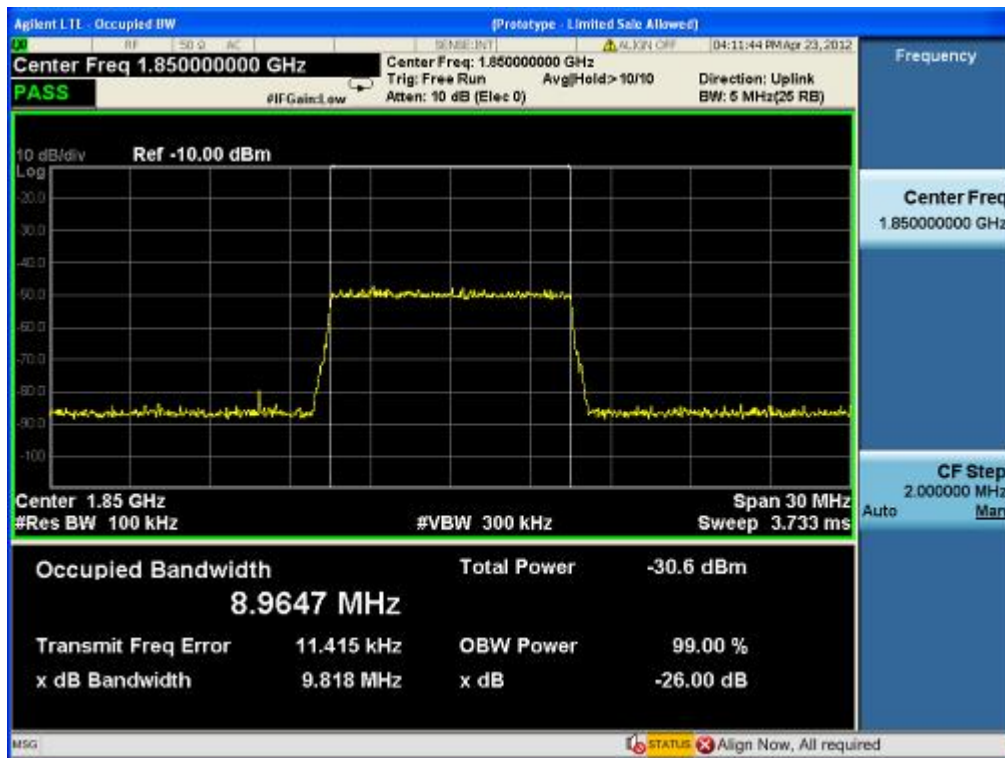
1900MHz-LTE-QPSK downlink (highest frequency)-Input



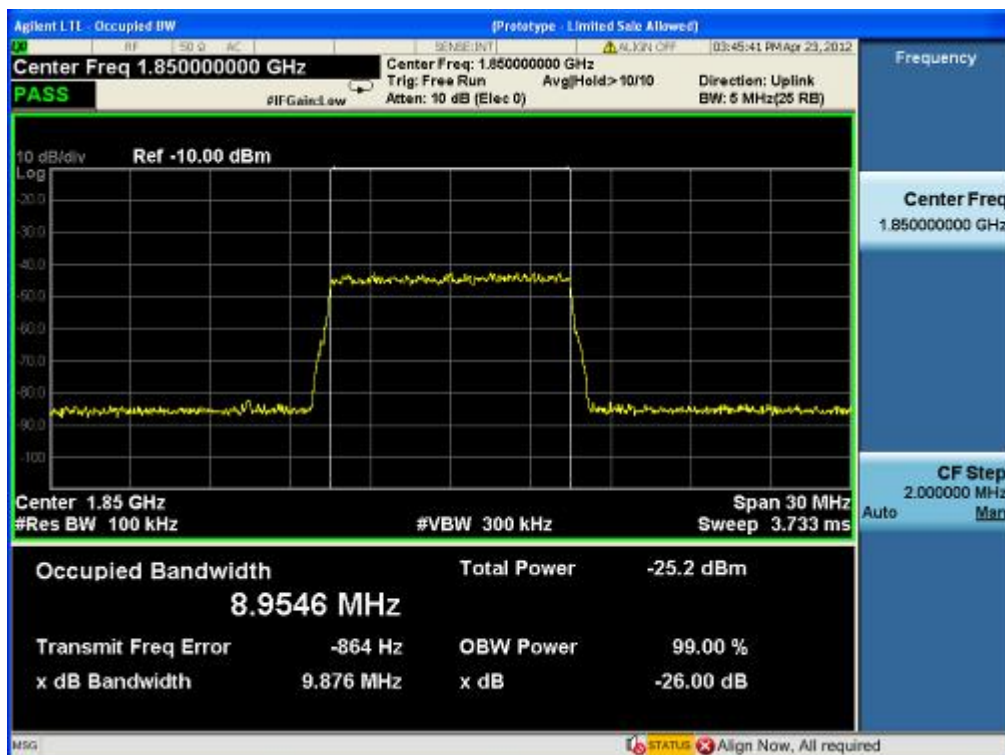
1900MHz-LTE-QPSK downlink (highest frequency)- Output



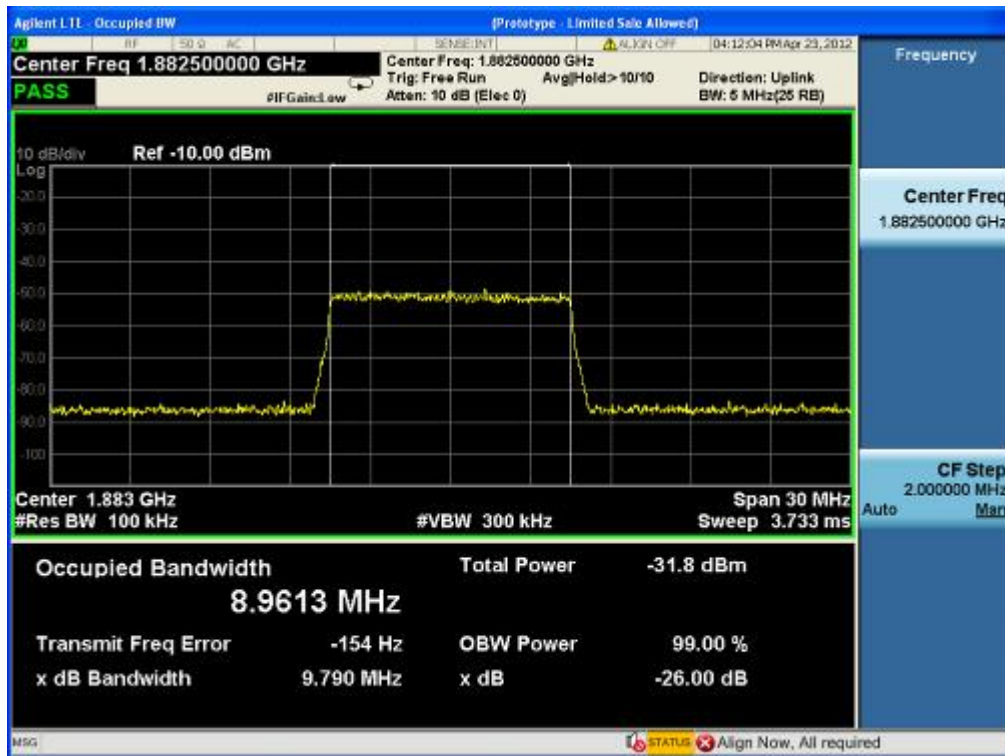
1900MHz-LTE-QPSK uplink (lowest frequency)-Input\



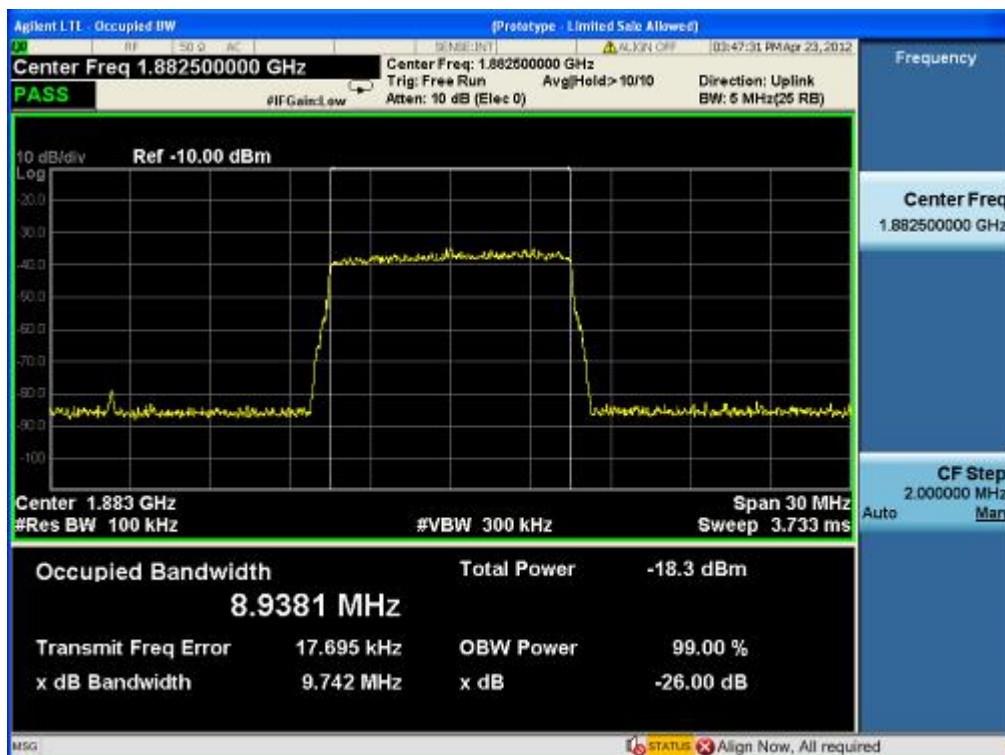
1900MHz-LTE-QPSK uplink (lowest frequency)- Output



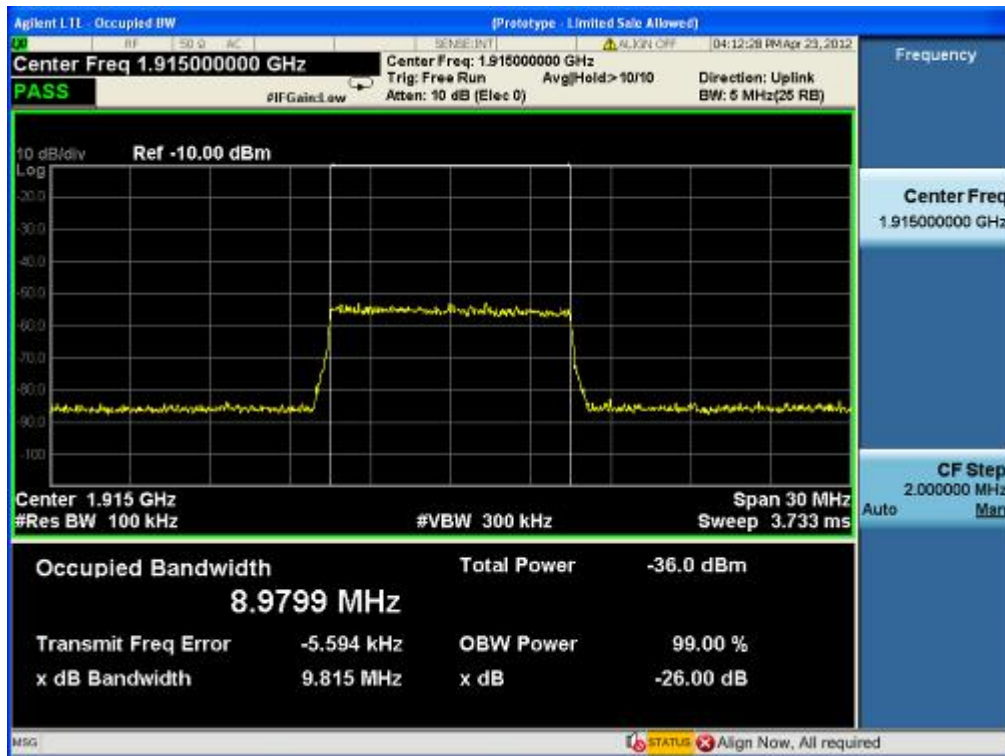
1900MHz-LTE -QPSK uplink (middle frequency)-Input



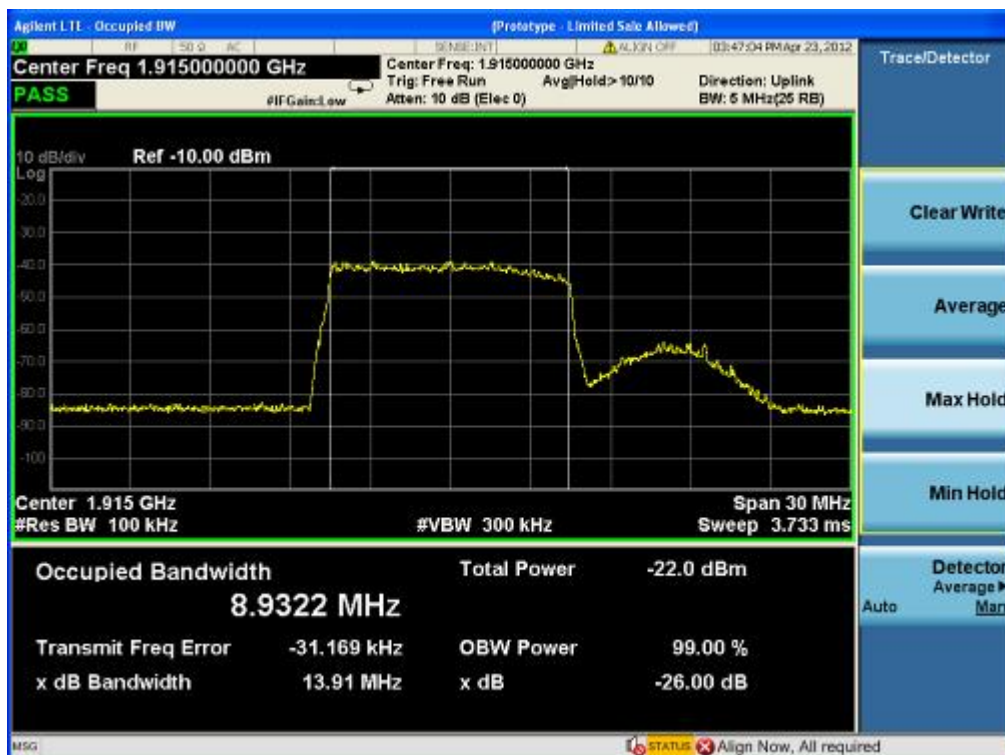
1900MHz-LTE-QPSK uplink (middle frequency)-Output



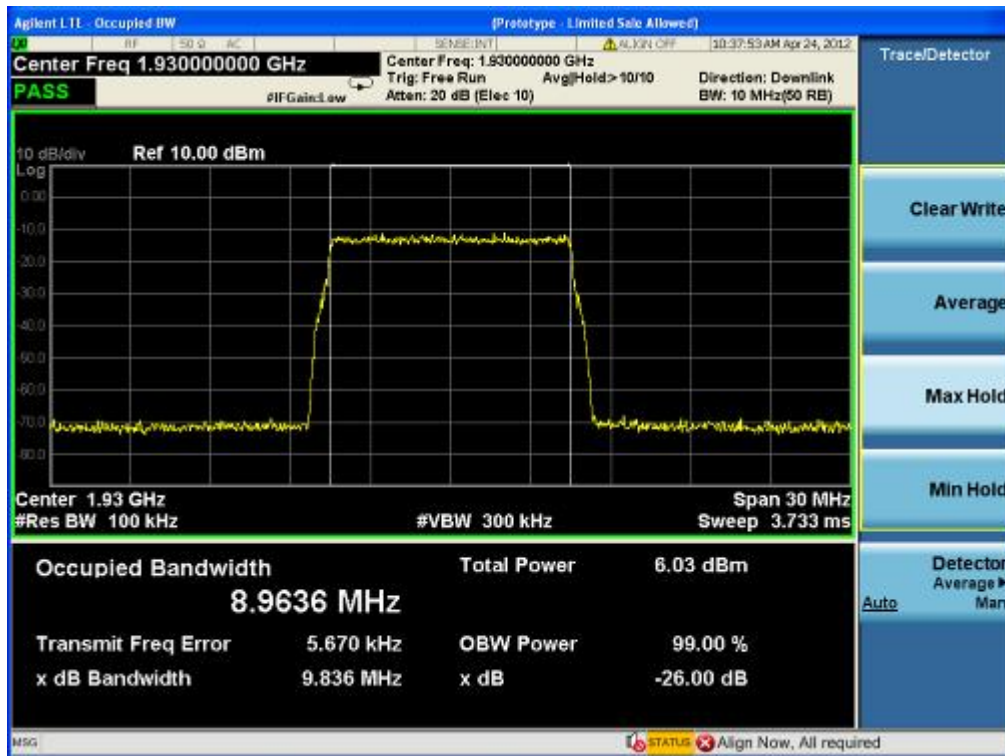
1900MHz-LTE-QPSK uplink (highest frequency)-Input



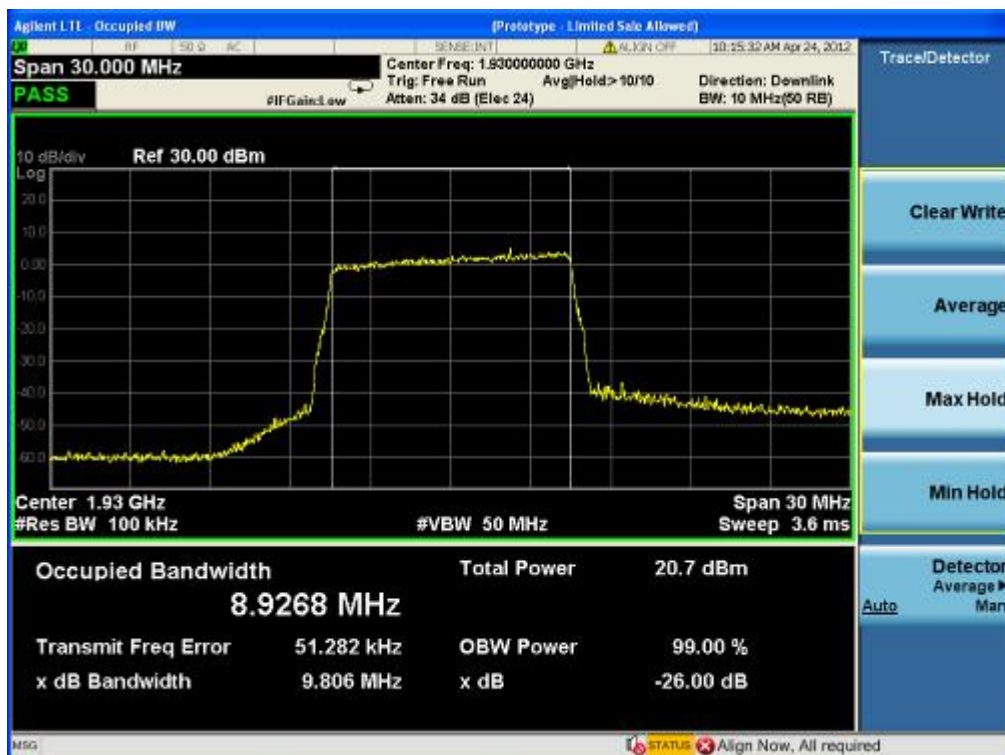
1900MHz-LTE -QPSK uplink (highest frequency)- Output



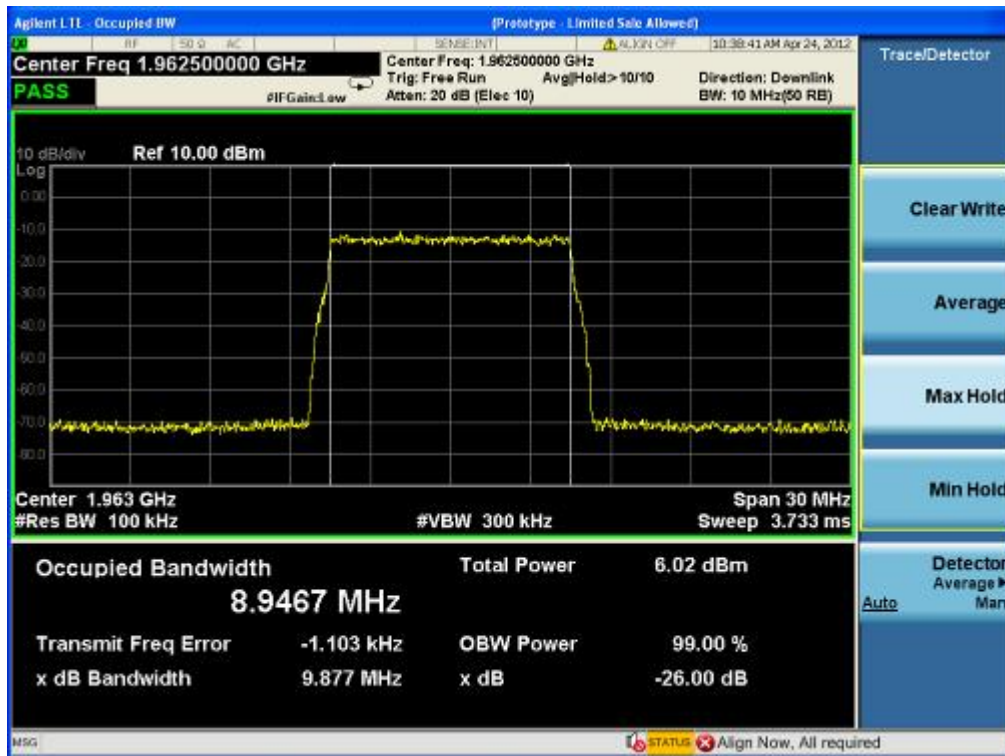
1900MHz-LTE-16QAM downlink (lowest frequency)-Input



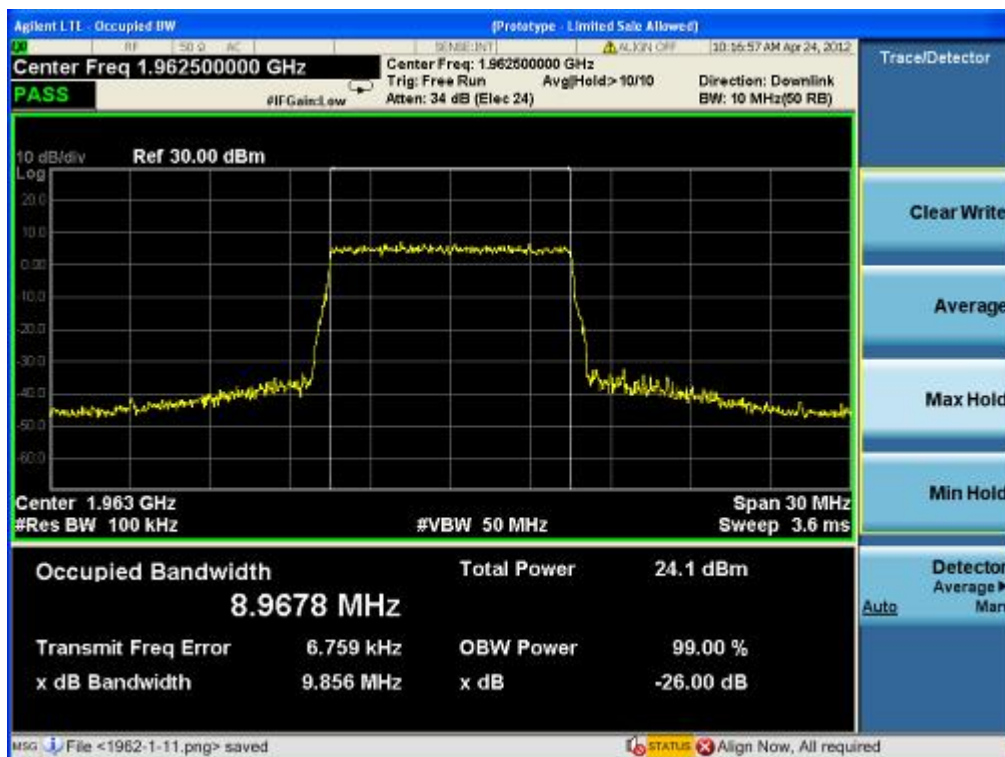
1900MHz-LTE -16QAM downlink (lowest frequency)-Output



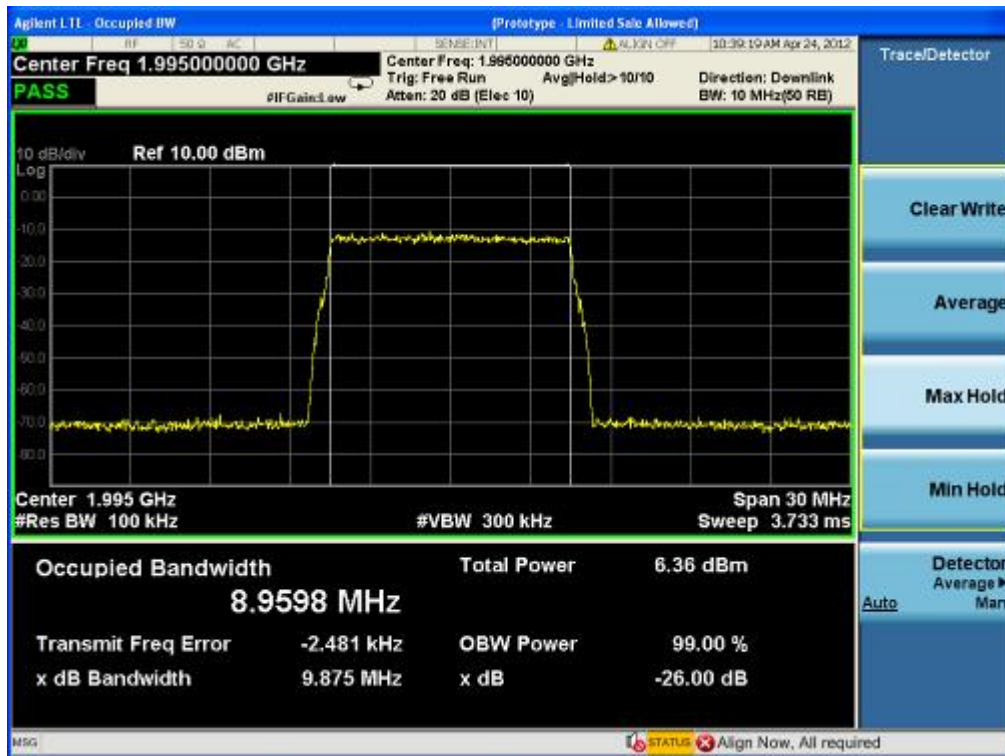
1900MHz-LTE-16QAM downlink (middle frequency)-Input



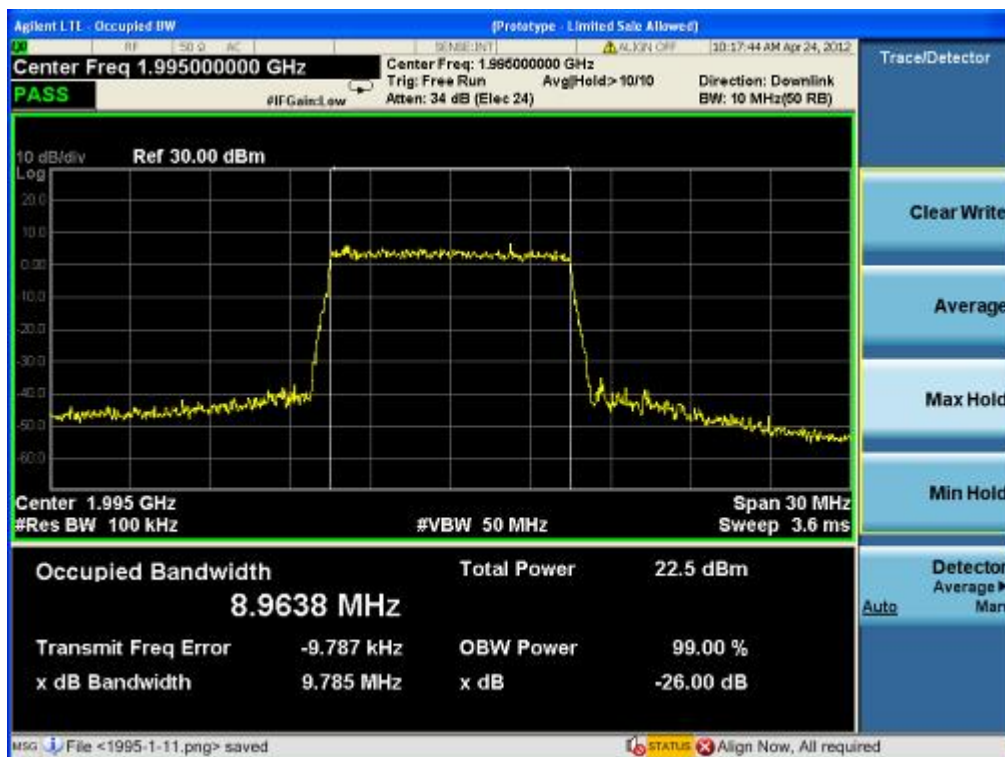
1900MHz-LTE-16QAM downlink (middle frequency)- Output



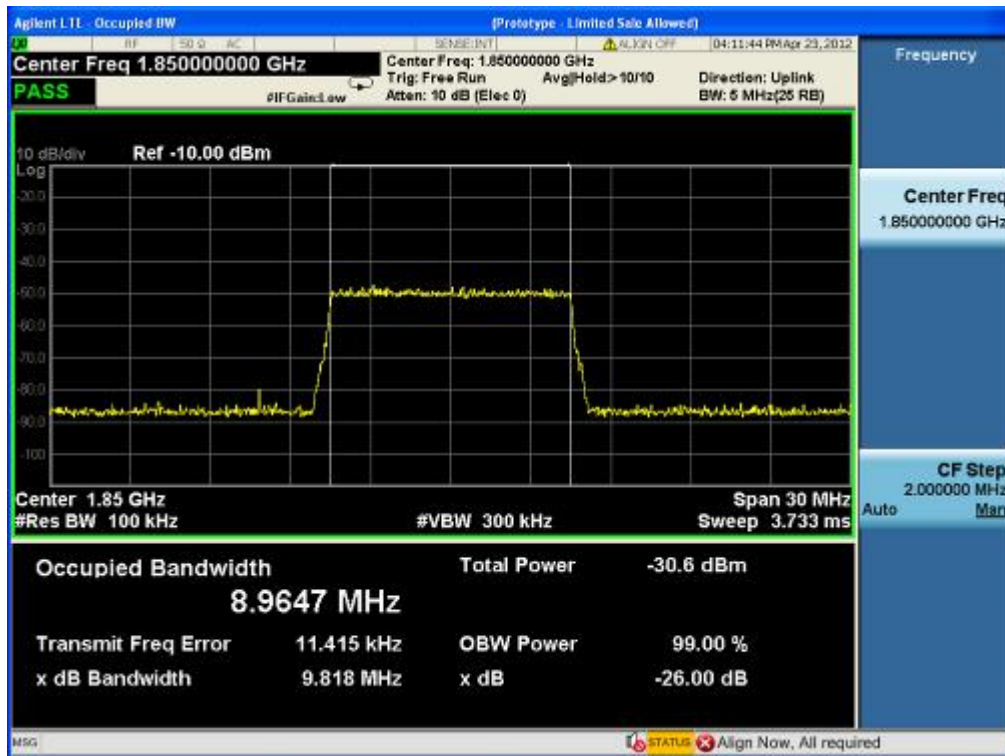
1900MHz-LTE-16QAM downlink (highest frequency) -Input



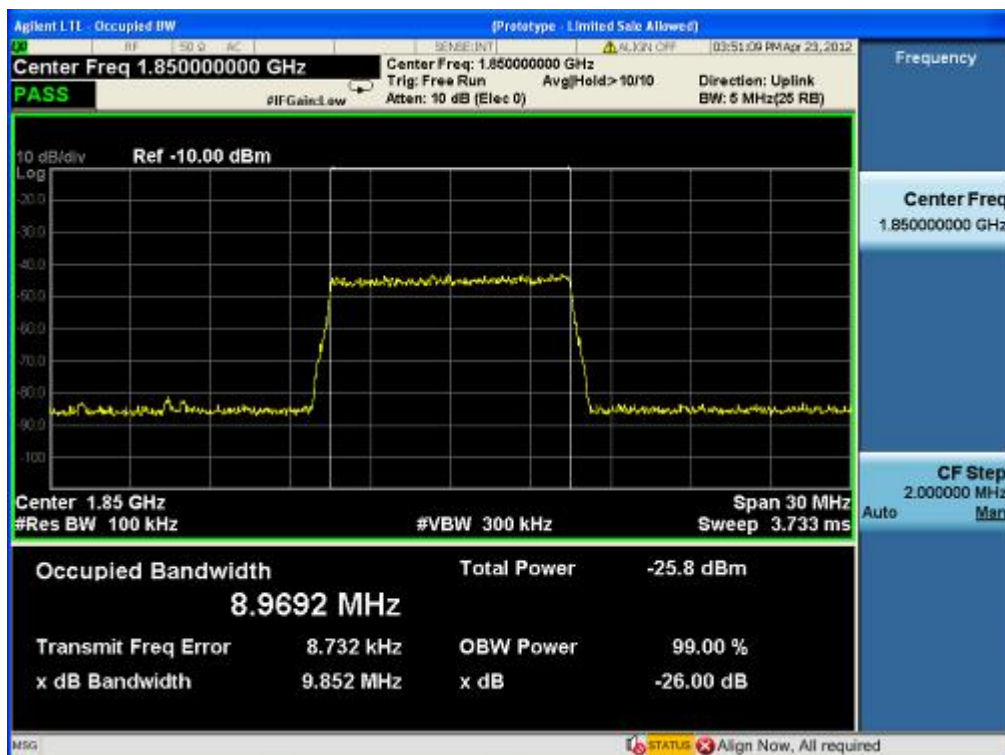
1900MHz-LTE-16QAM downlink (highest frequency)- Output



1900MHz-LTE-16QAM uplink (lowest frequency)-Input



1900MHz-LTE-16QAM uplink (lowest frequency)- Output



Agilent LTL - Occupied BW (Prototype - Limited Sale Allowed)

RF 1.50 GHz AC SENSE INT ALKRN OFF 04:12:04 PM Apr 23, 2012

Center Freq 1.882500000 GHz

Trig: Free Run Avg/Hold: > 10/10 Direction: Uplink

Atten: 10 dB (Elec 0) BW: 5 MHz(25 RB)

PASS #IF Gain Low

10 dB/div Ref -10.00 dBm

Log

Center 1.883 GHz Span 30 MHz

#Res BW 100 kHz #VBW 300 kHz Sweep 3.733 ms

Occupied Bandwidth 8.9613 MHz

Total Power -31.8 dBm

Transmit Freq Error -154 Hz OBW Power 99.00 %

x dB Bandwidth 9.790 MHz x dB -26.00 dB

MSG STATUS Align Now, All required

Frequency

Center Freq 1.882500000 GHz

CF Step 2.000000 MHz

Auto Man

Agilent LTL - Occupied BW
(Prototype - Limited Sale Allowed)

BT 1.50 G AC
SENSE:INT
ALY:OFF
03:49:25 PM Apr 23, 2012

Center Freq 1.882500000 GHz

PASS

#IF Gain Low

Center Freq: 1.882500000 GHz

Trig: Free Run Avg: Hold > 10/10

Atten: 10 dB (Elec 0)

Direction: Uplink

BW: 5 MHz(25 RB)

10 dB/div **Ref -10.00 dBm**

Log

The plot shows a spectrum with a flat noise floor at approximately -85 dBm. A signal is present between 1.881 GHz and 1.883 GHz, rising to a plateau at approximately -45 dBm. The signal is sharply attenuated outside this range.

Center 1.883 GHz

Span 30 MHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 3.733 ms

Occupied Bandwidth	Total Power	-22.5 dBm
8.9478 MHz		
Transmit Freq Error	8.403 kHz	OBW Power
x dB Bandwidth	9.816 MHz	99.00 %
	x dB	-26.00 dB