

2) 700MHz (Upper C) Band, The center frequency is 781.5MHz

Voltage(V)	Frequency(MHz)	Tolerance(ppm)
102 (120*0.85)	781.4999969	-0.004
120	781.4999969	-0.004
138 (120*1.15)	781.4999969	-0.004

3) 850MHz Band, The center frequency is 836.5MHz

Voltage(V)	Frequency(MHz)	Tolerance(ppm)
102 (120*0.85)	836.4999966	-0.004
120	836.4999966	-0.004
138 (120*1.15)	836.4999966	-0.004

4) 1900MHz Broadband PCS, The center frequency is 1882.5MHz

Voltage(V)	Frequency(MHz)	Tolerance(ppm)
102 (120*0.85)	1882.499992	-0.004
120	1882.499992	-0.004
138 (120*1.15)	1882.499992	-0.004

5) AWS-1 Band, The center frequency is 1732.5MHz

Voltage(V)	Frequency(MHz)	Tolerance(ppm)
102 (120*0.85)	1732.499993	-0.004
120	1732.499993	-0.004
138 (120*1.15)	1732.499993	-0.004

5.3.6 Occupied Bandwidth

Test Date: 26 Dec, 2013 to 27 Dec, 2013

Ambient Temp: 20.0°C

Humid : 67%

Atmospheric Pressure: 1005mbar

Power supply: AC 120V 60Hz

Test Method: FCC part 2.1049& 935210 D02 Signal Boosters Certification v01r01

Test Requirement:

700MHz Lower ABC Band	935210 D02 Signal Boosters Certification v01r01
700MHz Upper C Band	935210 D02 Signal Boosters Certification v01r01
850MHz Band	935210 D02 Signal Boosters Certification v01r01
1900MHz Broadband PCS	935210 D02 Signal Boosters Certification v01r01
AWS-1 Band	935210 D02 Signal Boosters Certification v01r01

EUT Operation: The output power of EUT be set to maximum value, the gain of EUT be set to maximum value by software through the manufacture

Test conditions: Normal conditions

Test configuration:

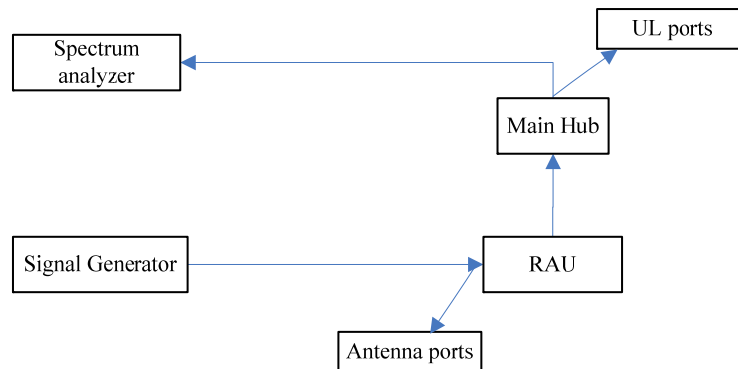


Figure 6: Uplink Occupied Bandwidth Configuration

Test Procedure: Occupied bandwidth test procedure:

- a) Set the spectrum analyzer RBW 300Hz >1% & <2% bandwidth of carrier;
- b) Capture the trace of input signal;
- c) Connect the equipment as illustrated;
- d) Capture the trace of output signal

5.3.6.1 Measurement Record

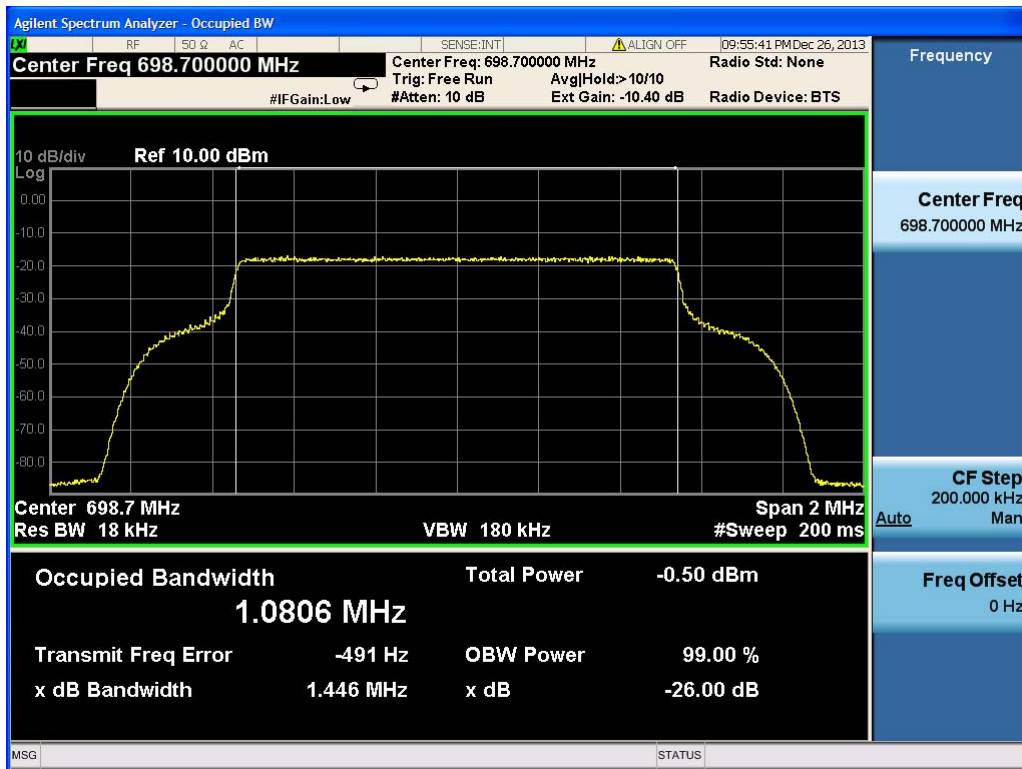
5.3.6.1.1 700MHz Lower ABC Band

1) Test Lower A(698MHz~704MHz)

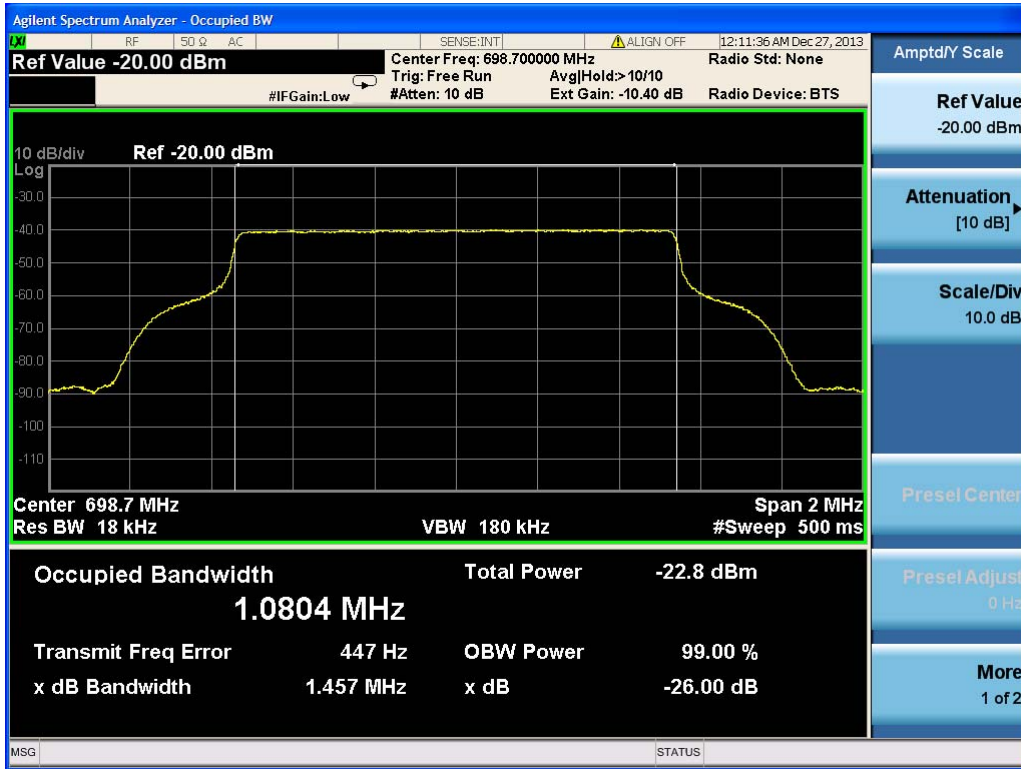
1.1) Test for LTE 1.4MHz

1.1.1) Lowest frequency

a) Input signal

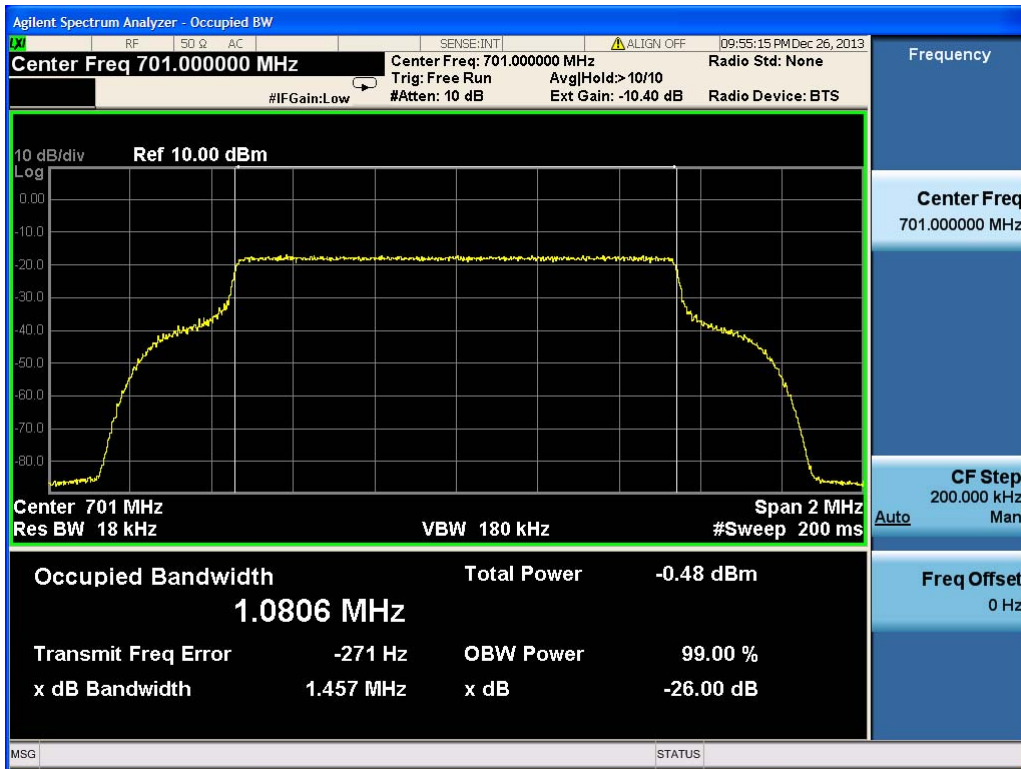


b) Output signal

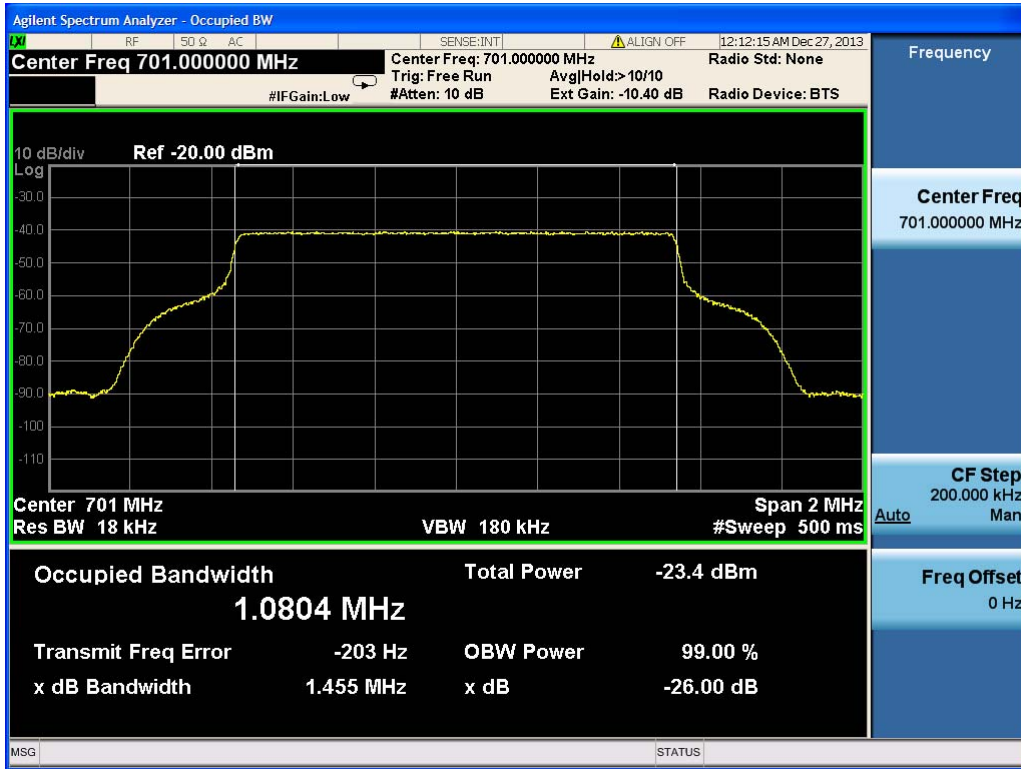


1.1.2) Middle frequency

a) Input signal

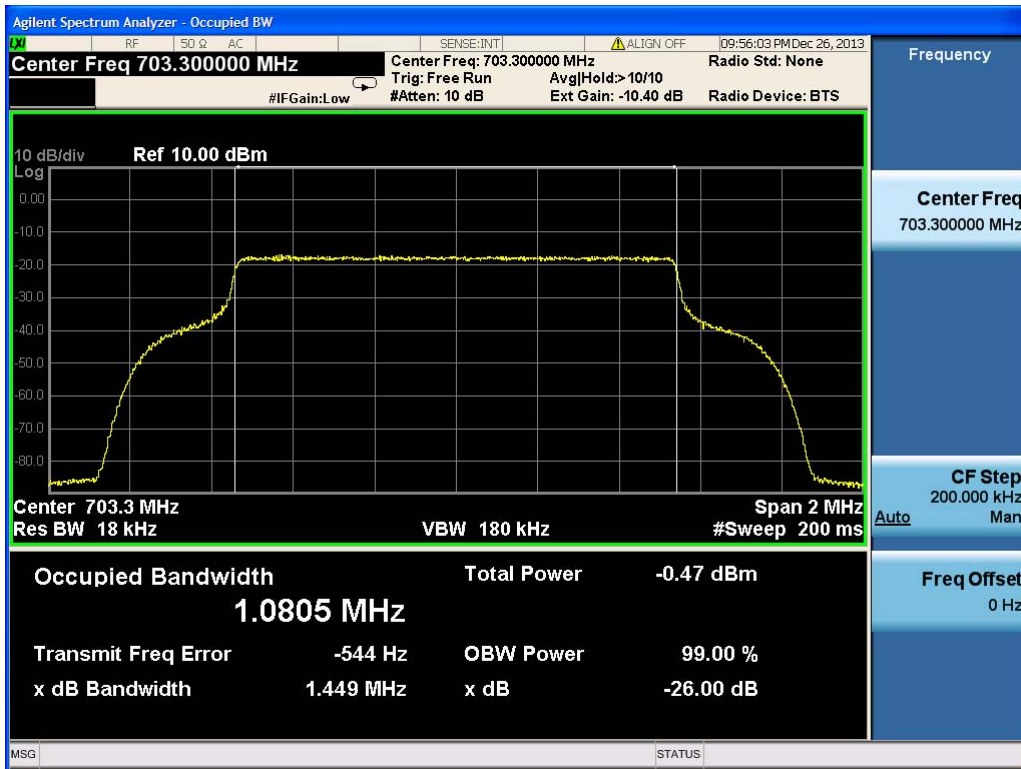


b) Output signal

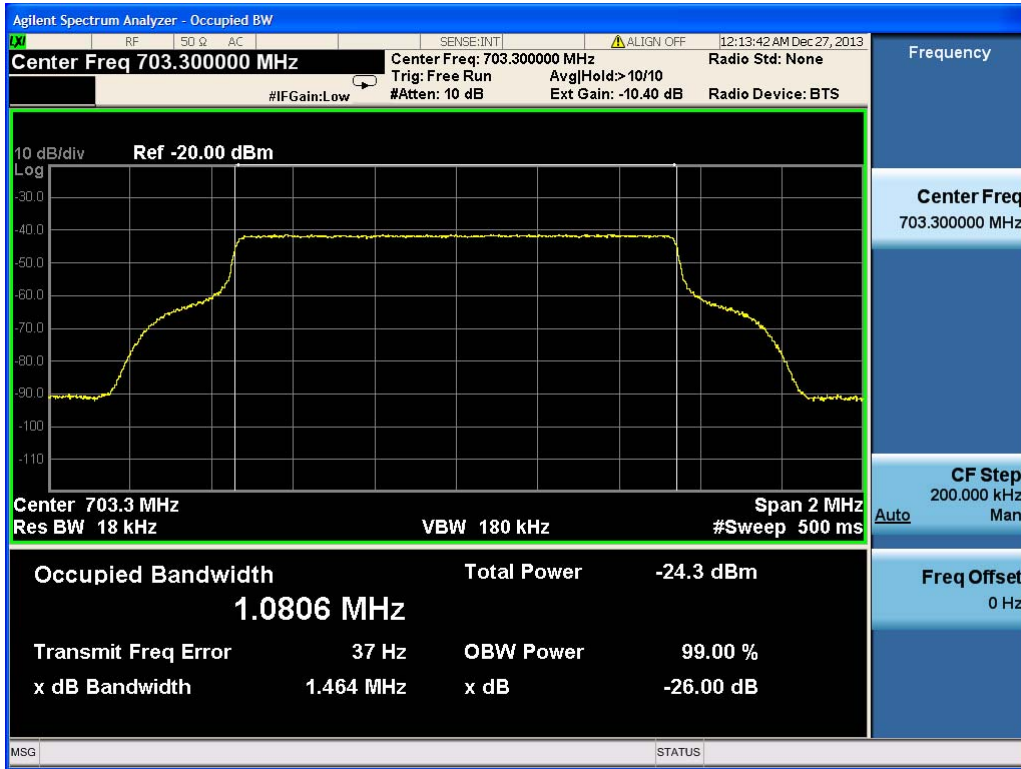


1.1.3) Highest frequency

a) Input signal



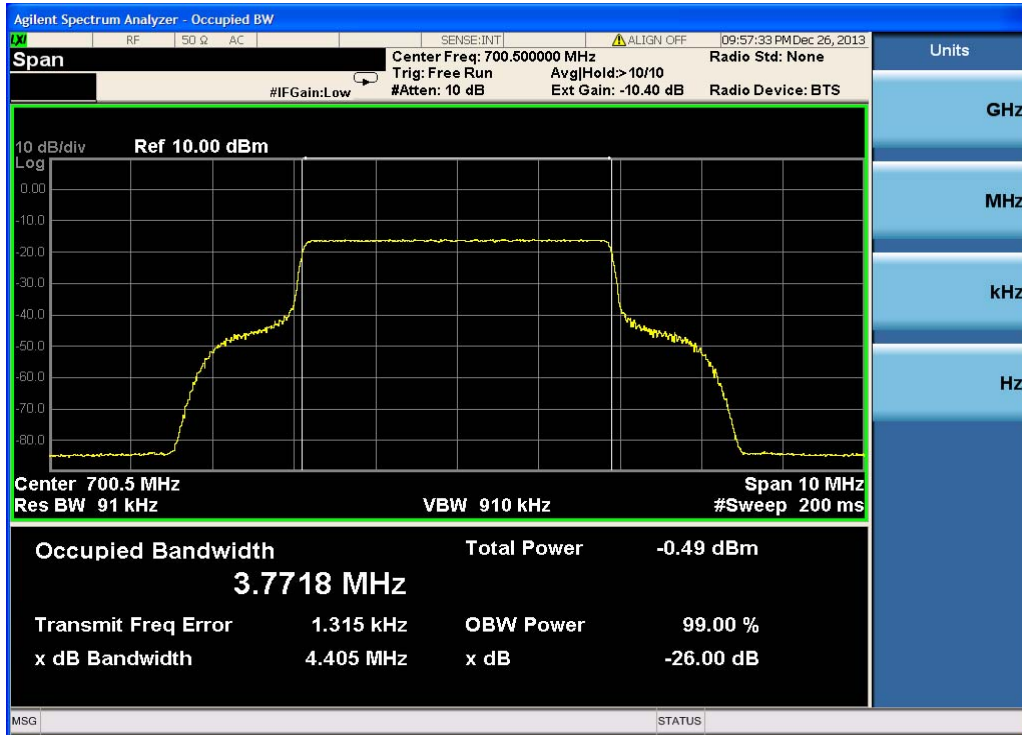
b) Output signal



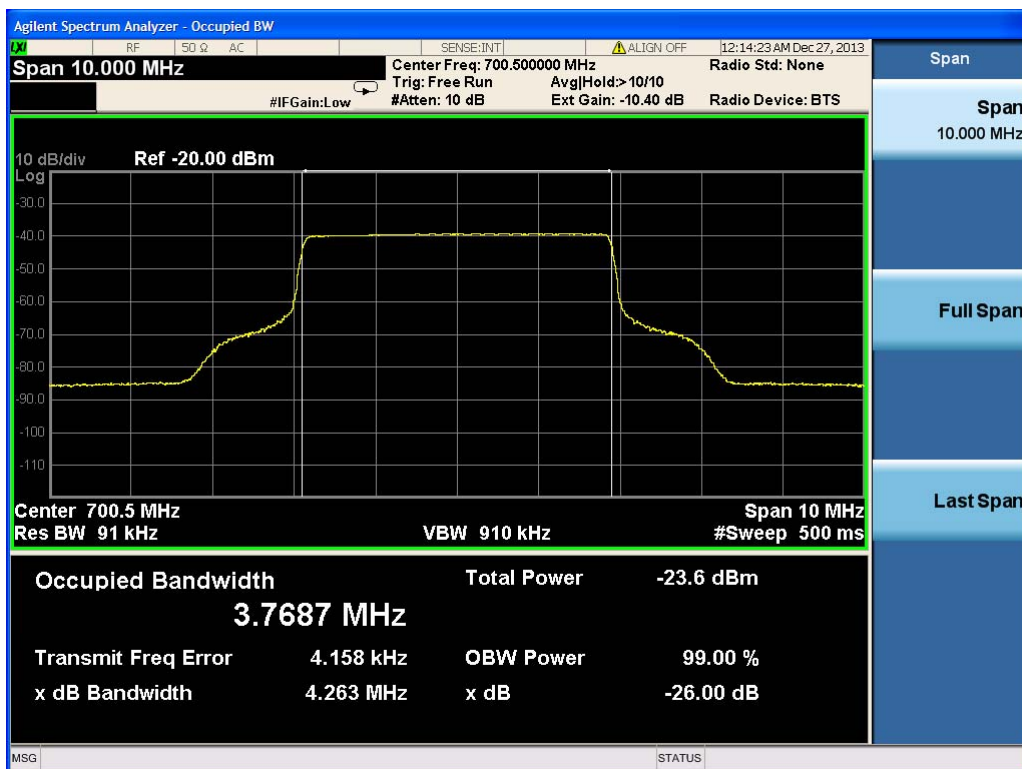
1.2) Test for LTE 5 MHz

1.2.1) Lowest frequency

a) Input signal

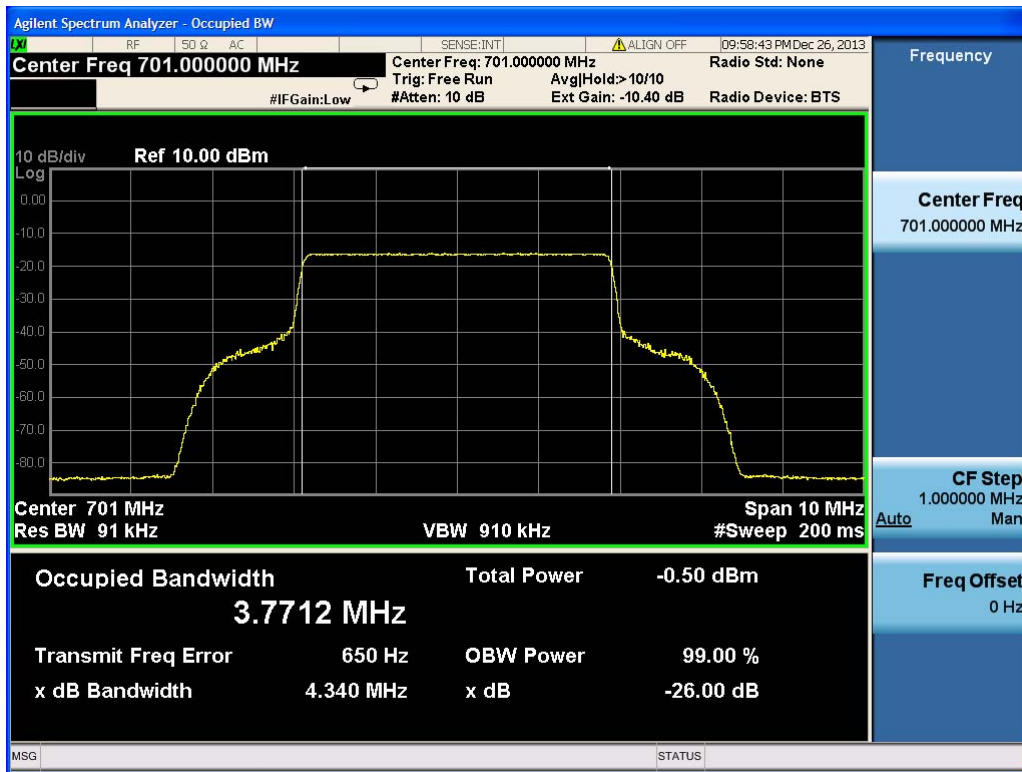


b) Output signal

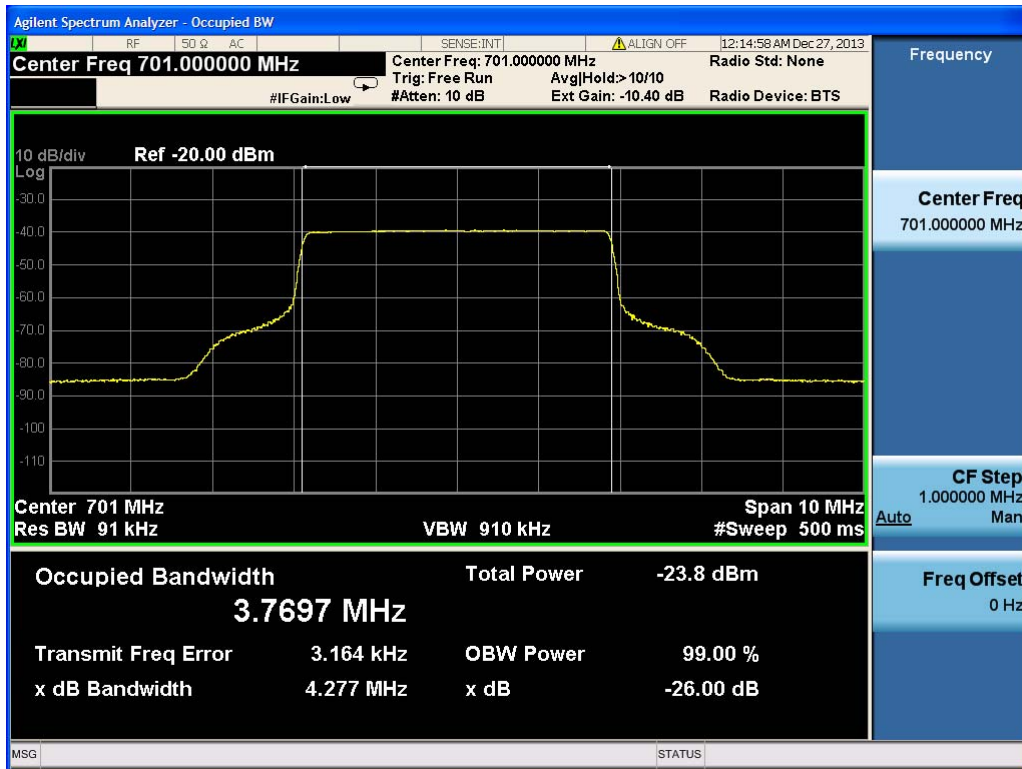


1.2.2) Middle frequency

a) Input signal

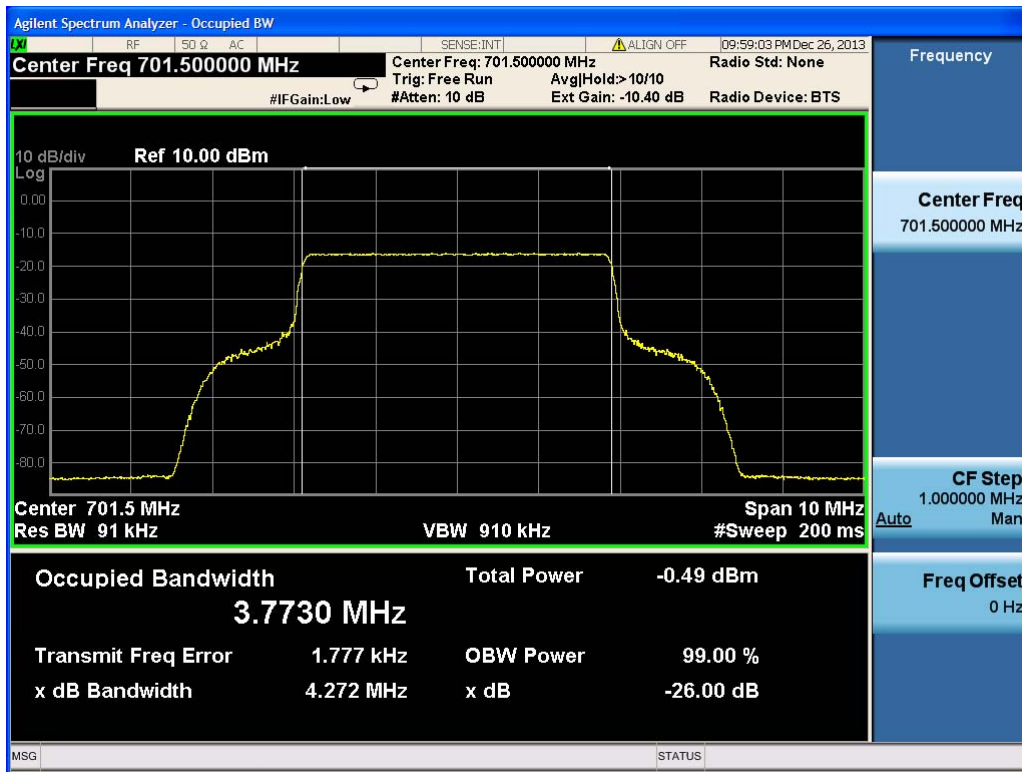


b) Output signal

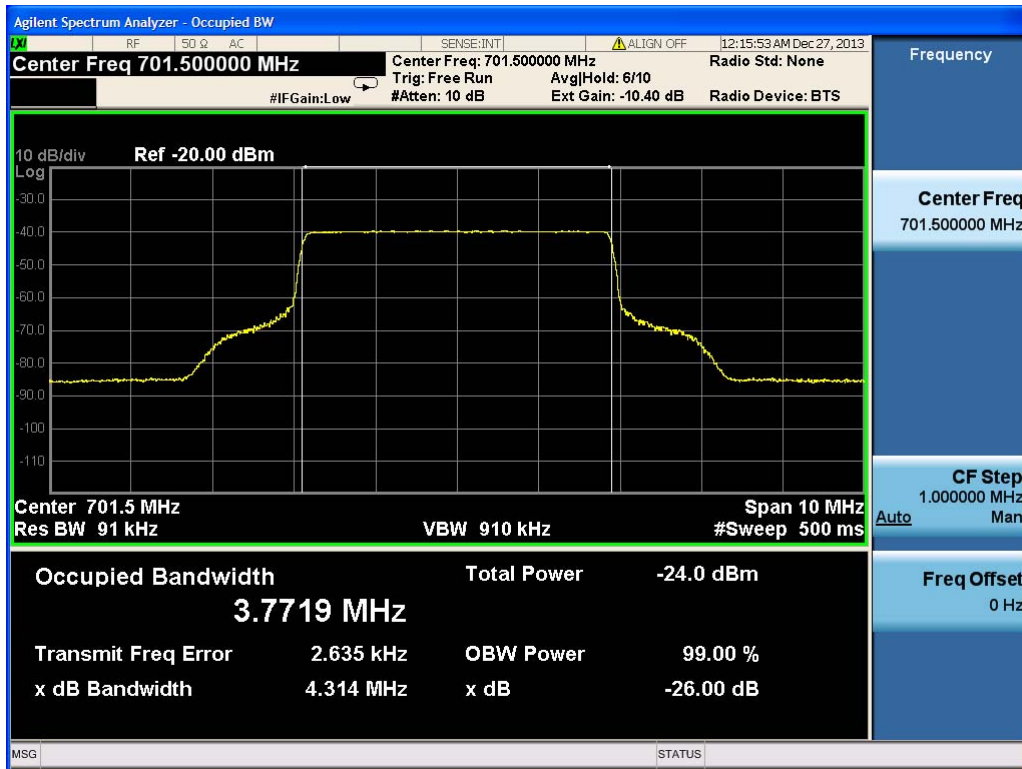


1.2.3) Highest frequency

a) Input signal



b) Output signal

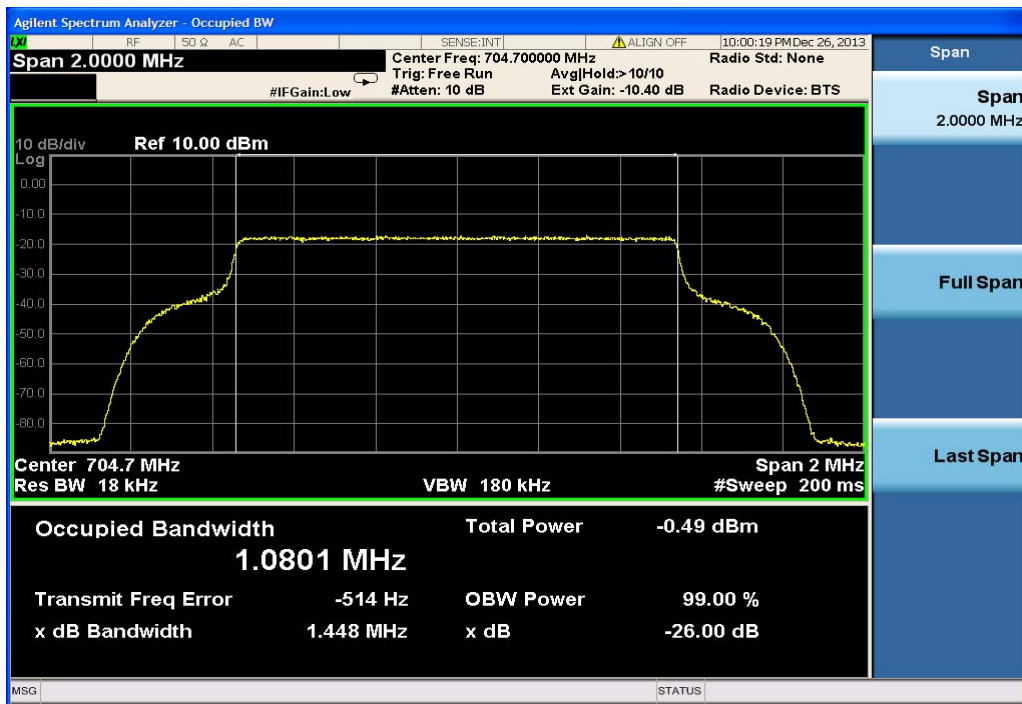


2) Test Lower B(704MHz~710MHz)

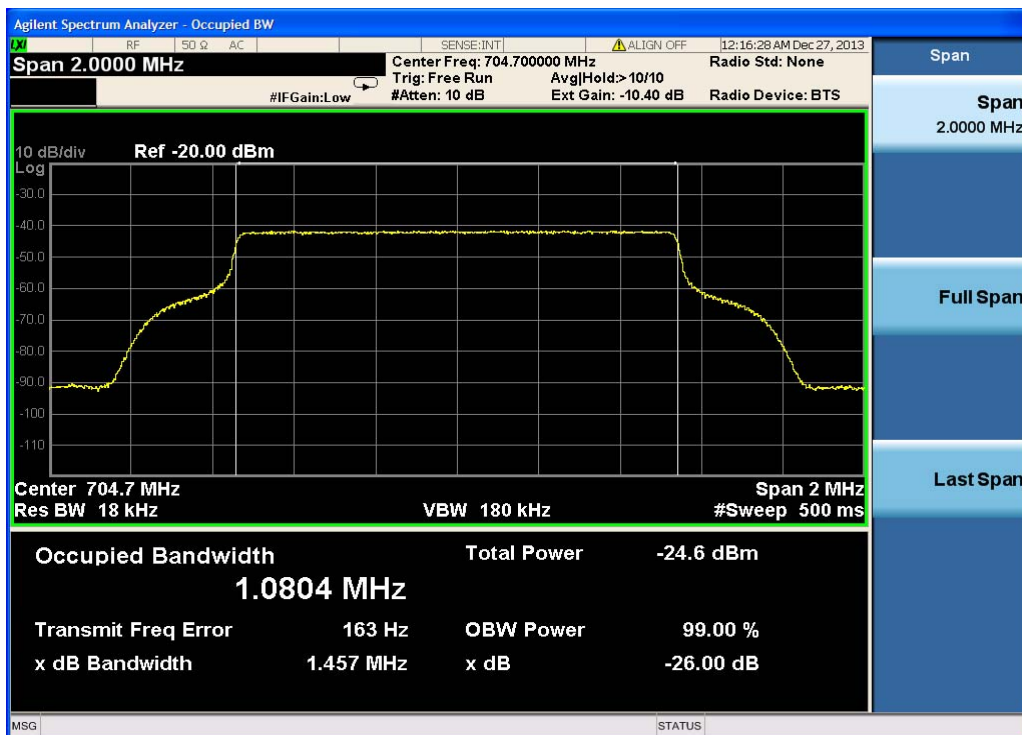
2.1) Test for LTE 1.4MHz

2.1.1) Lowest frequency

a) Input signal

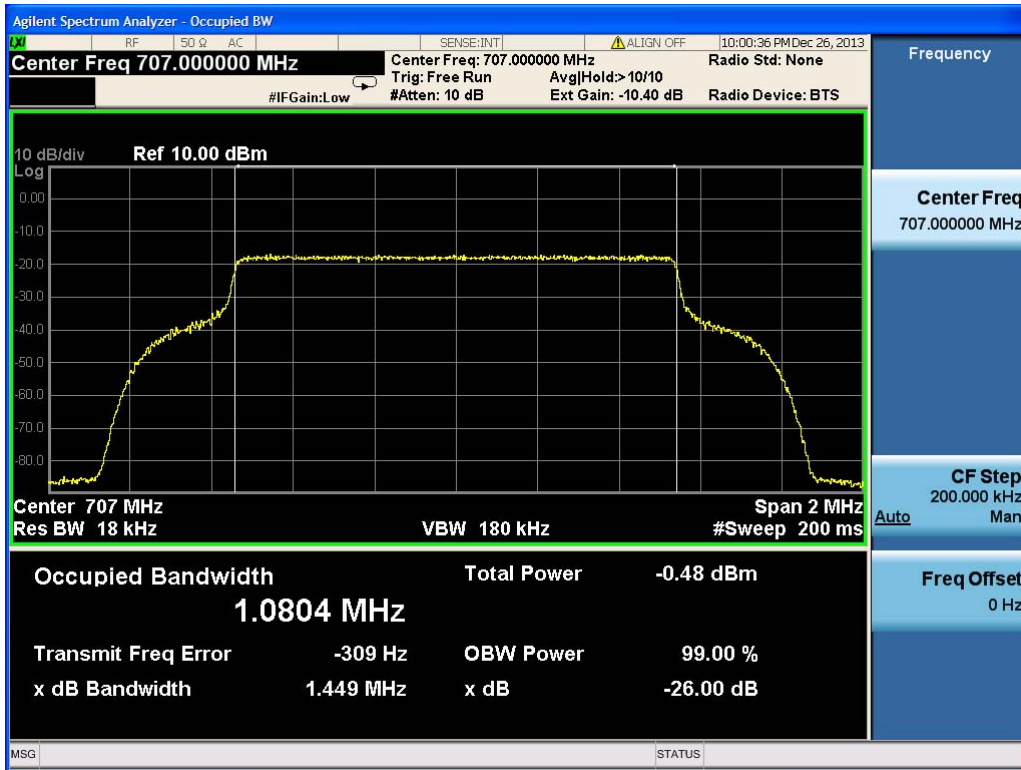


b) Output signal

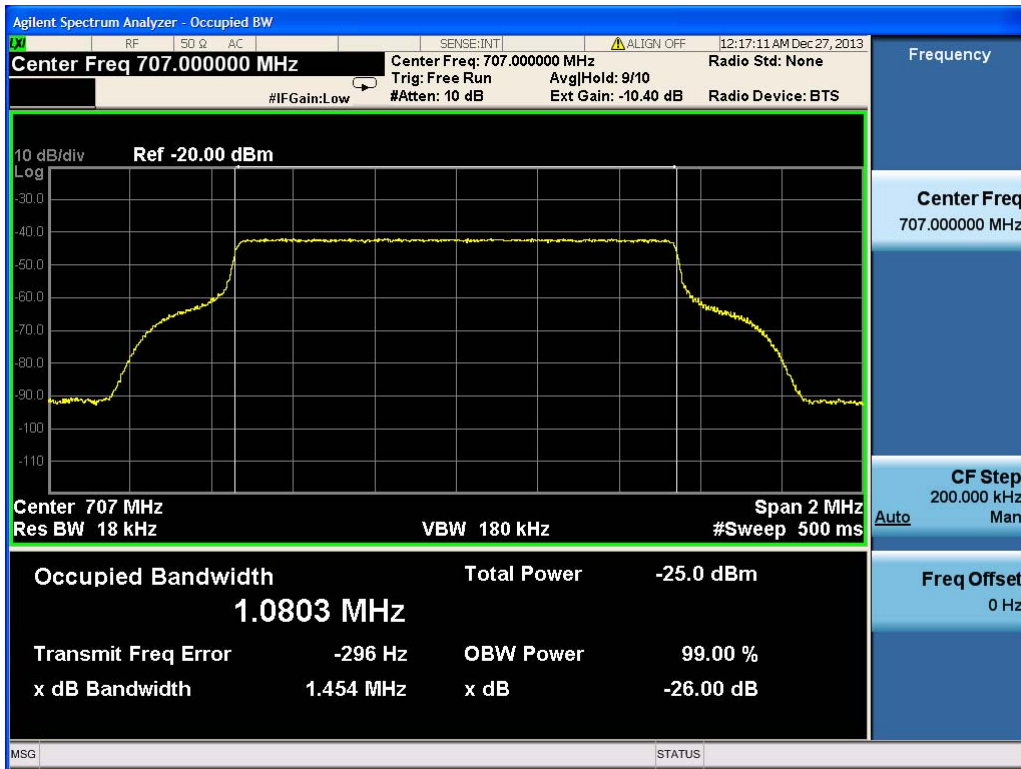


2.1.2) Middle frequency

a) Input signal



b) Output signal

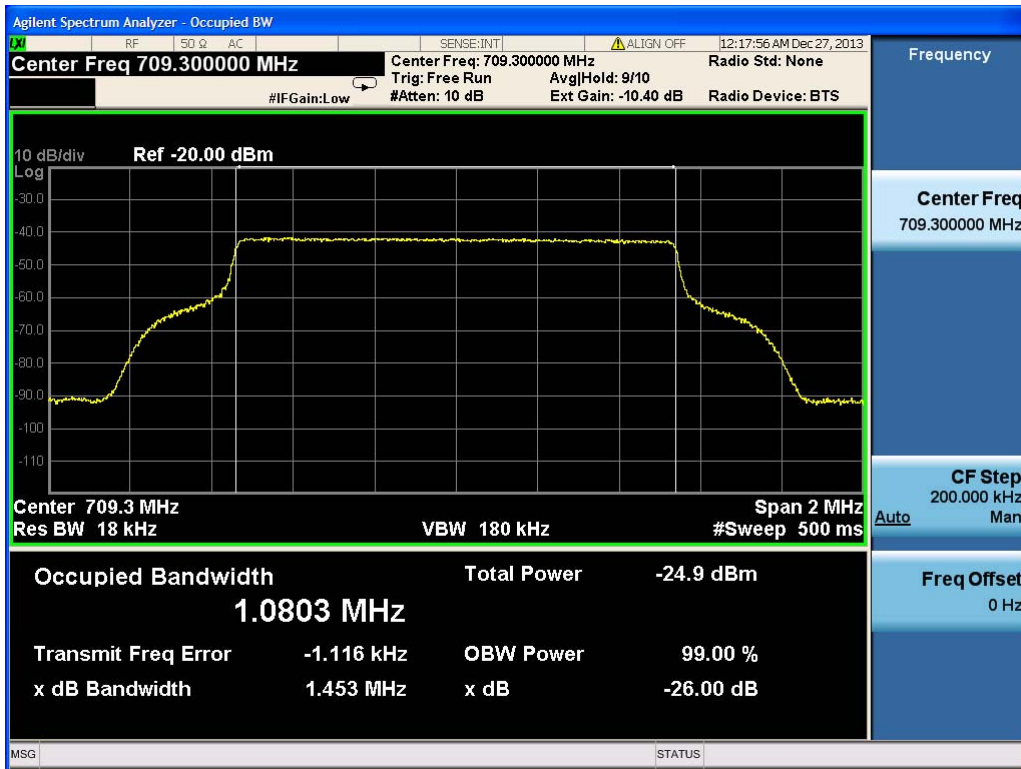


2.1.3) Highest frequency

a) Input signal



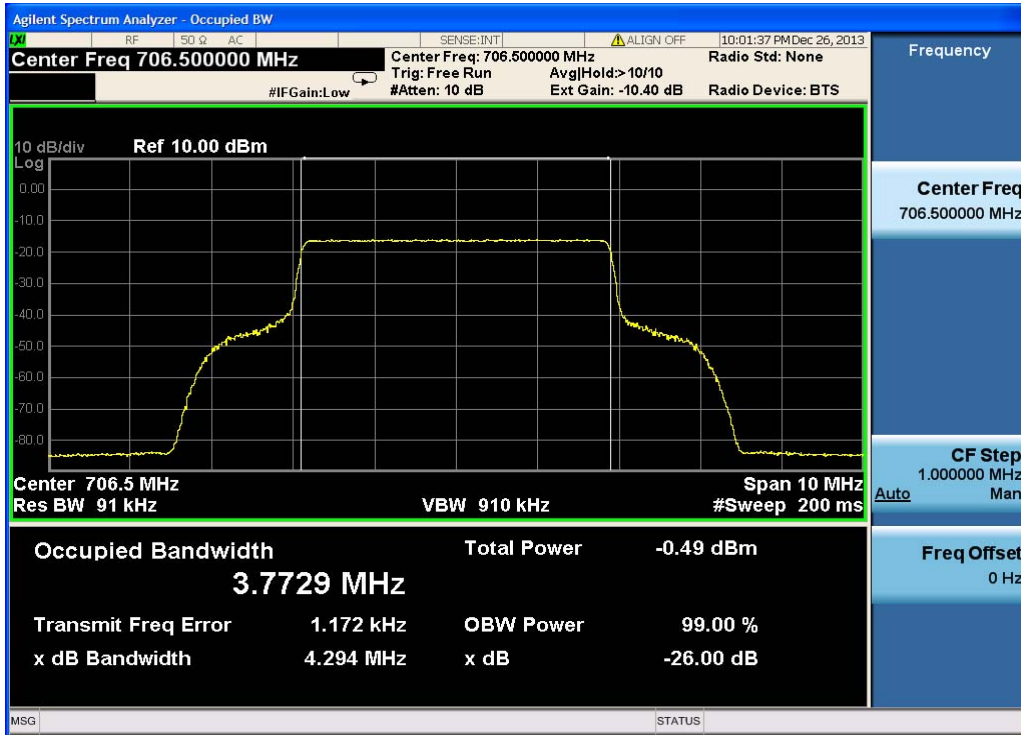
b) Output signal



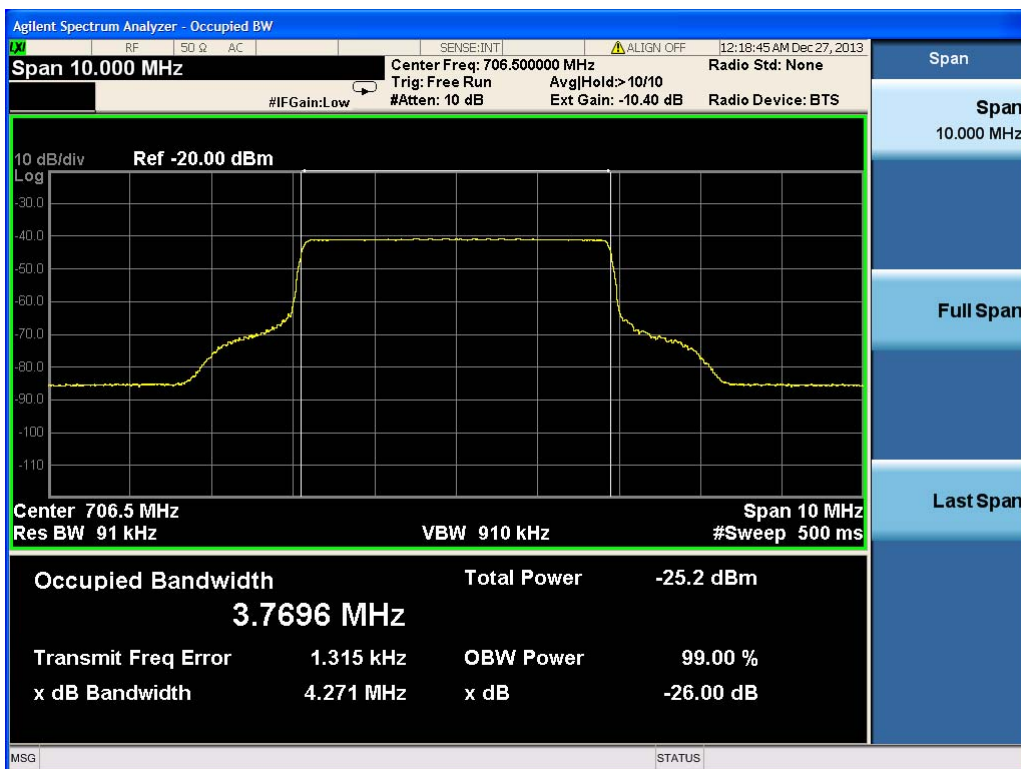
2.2) Test for LTE 5 MHz

2.2.1) Lowest frequency

a) Input signal



b) Output signal

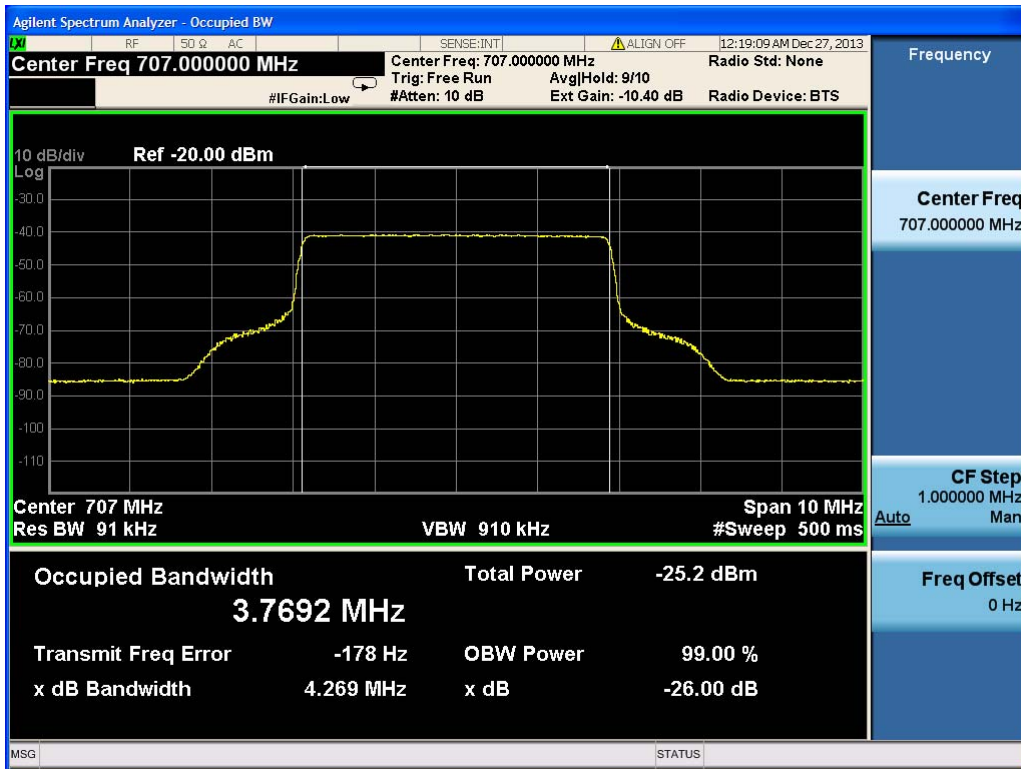


2.2.2) Middle frequency

a) Input signal

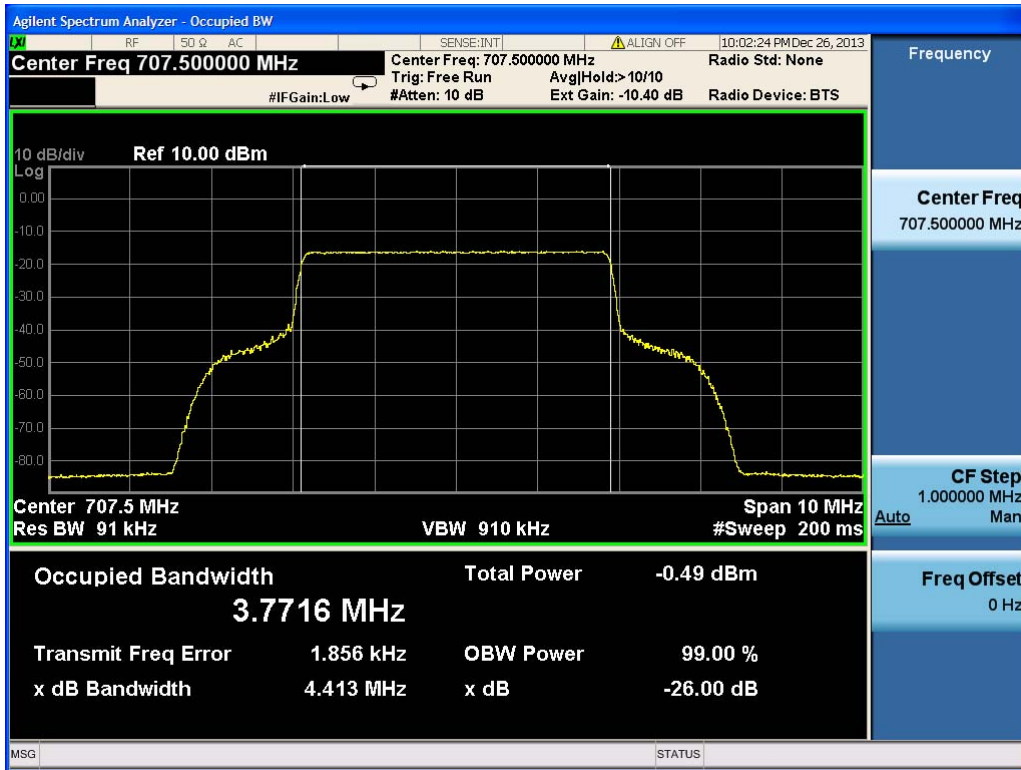


b) Output signal

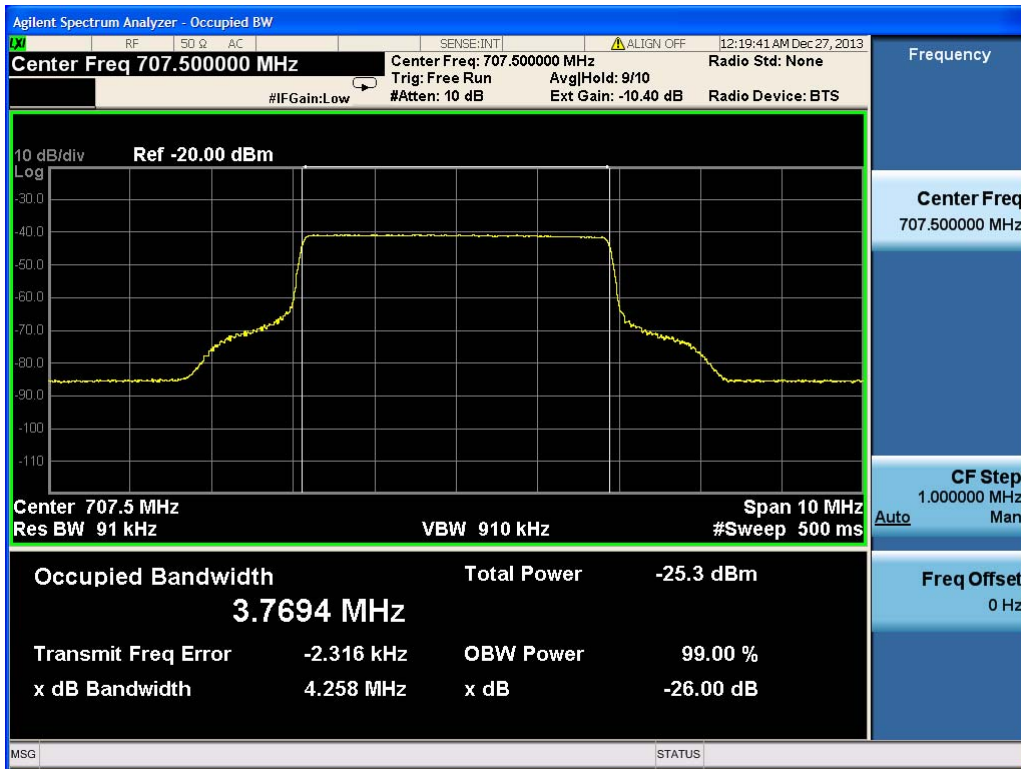


2.2.3) Highest frequency

a) Input signal



b) Output signal

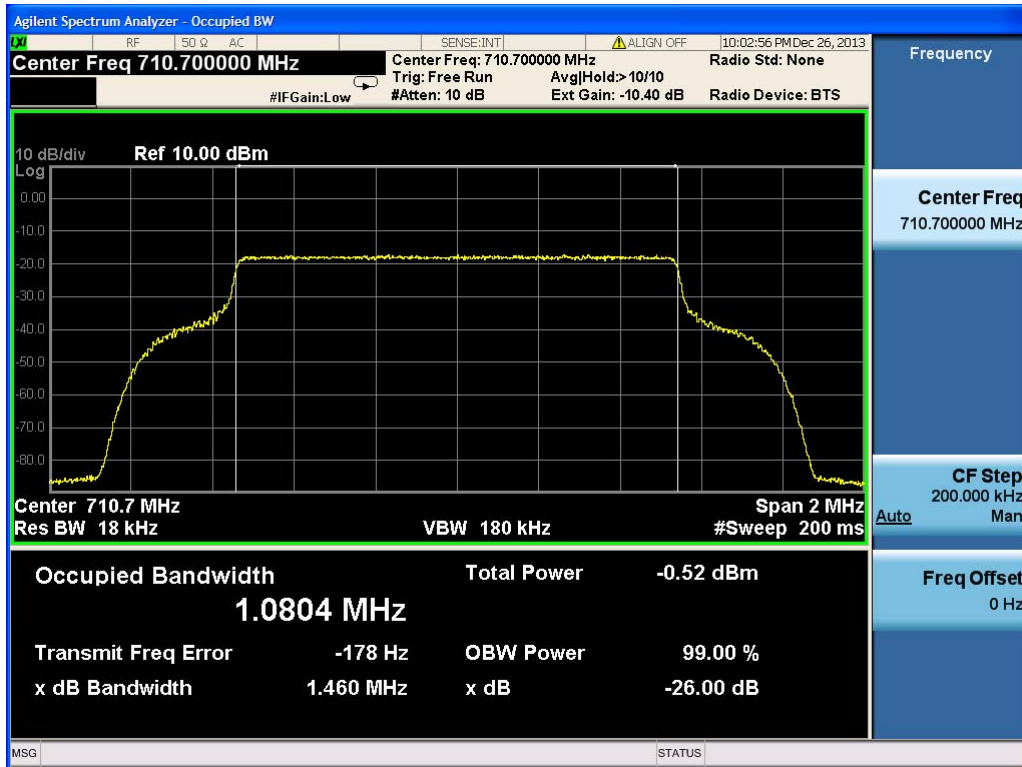


3) Test Lower C(710MHz~716MHz)

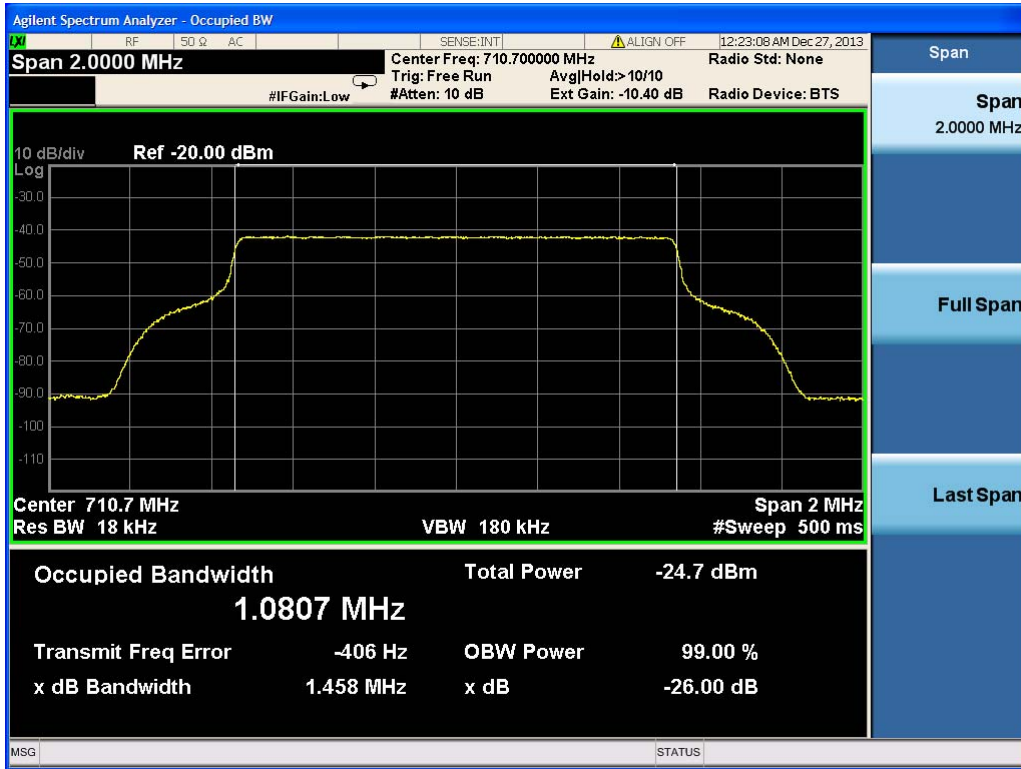
3.1) Test for LTE 1.4MHz

3.1.1) Lowest frequency

a) Input signal

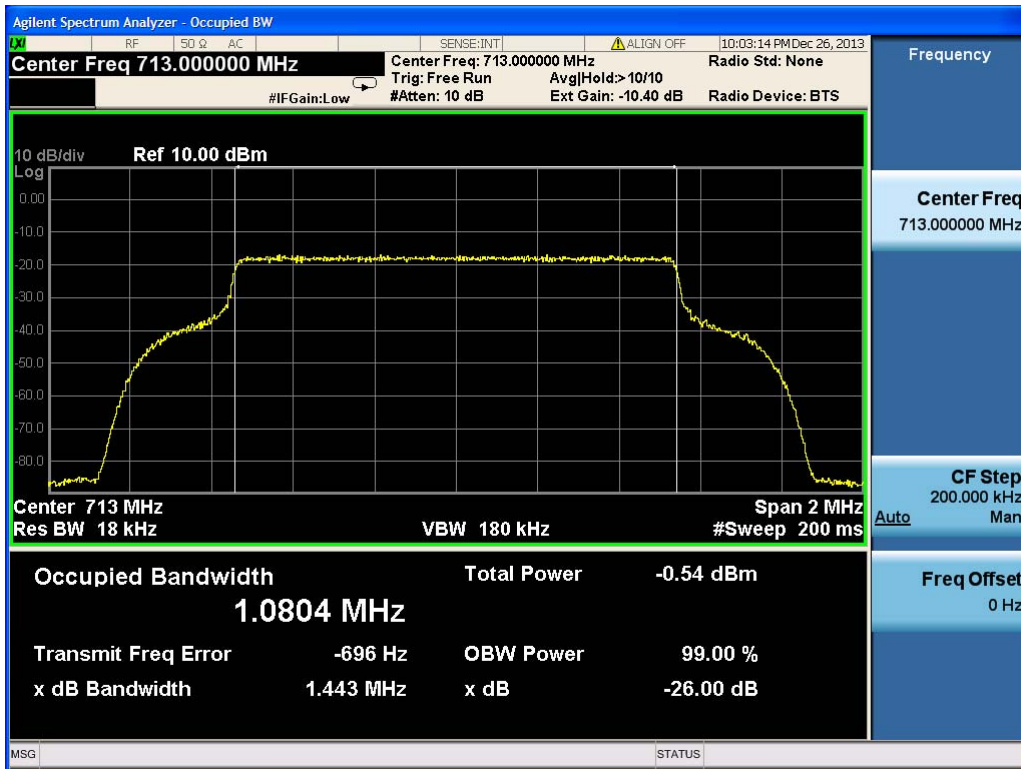


b) Output signal

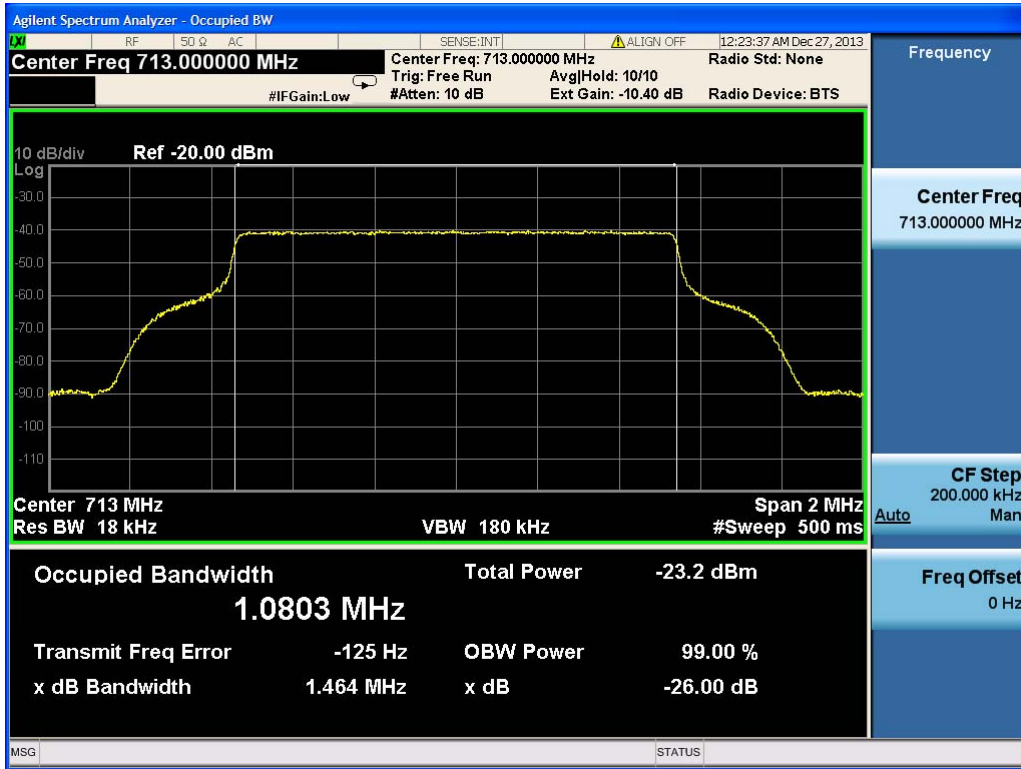


3.1.2) Middle frequency

a) Input signal



b) Output signal

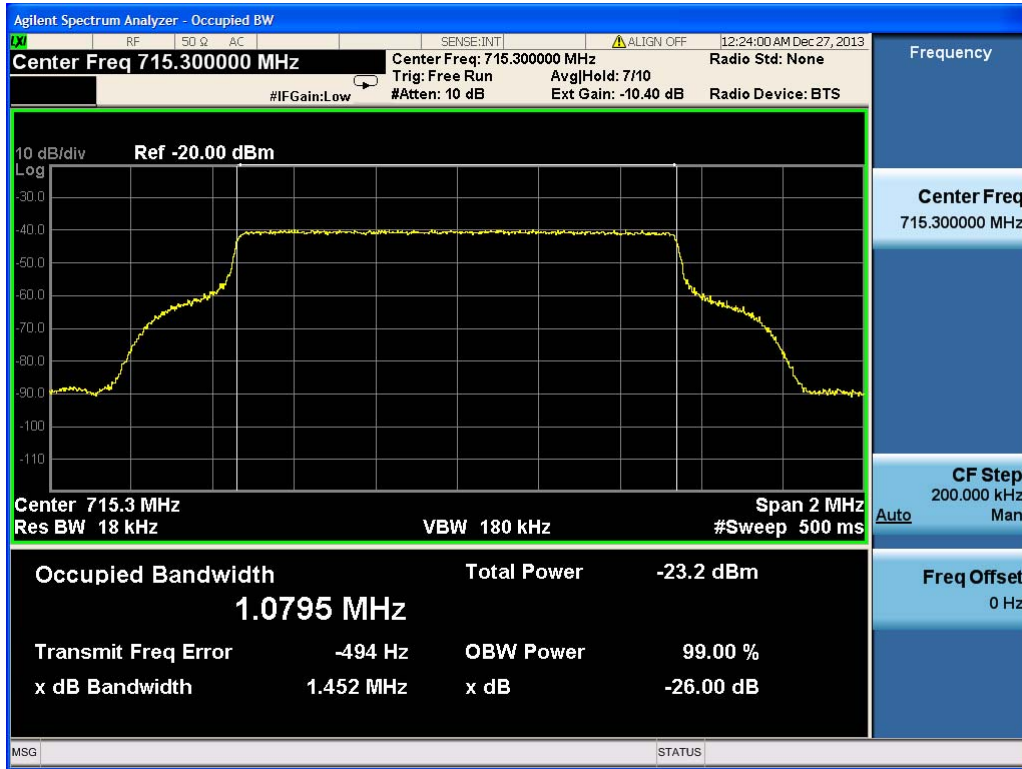


3.1.3) Highest frequency

a) Input signal



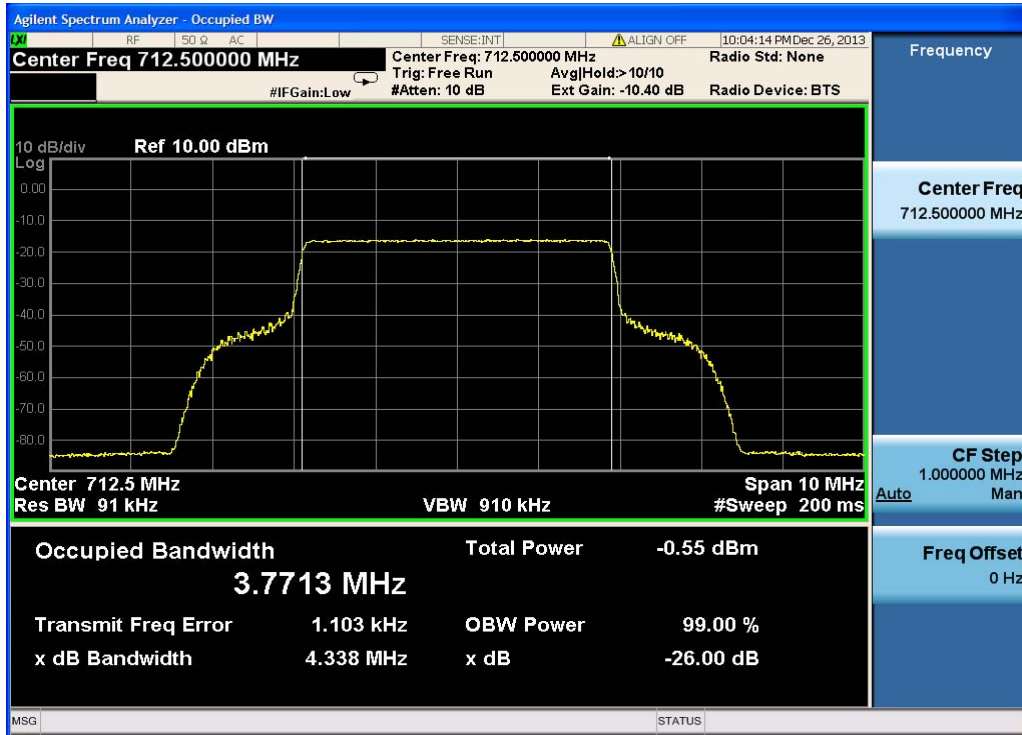
b) Output signal



3.2) Test for LTE 5 MHz

3.2.1) Lowest frequency

a) Input signal



b) Output signal

