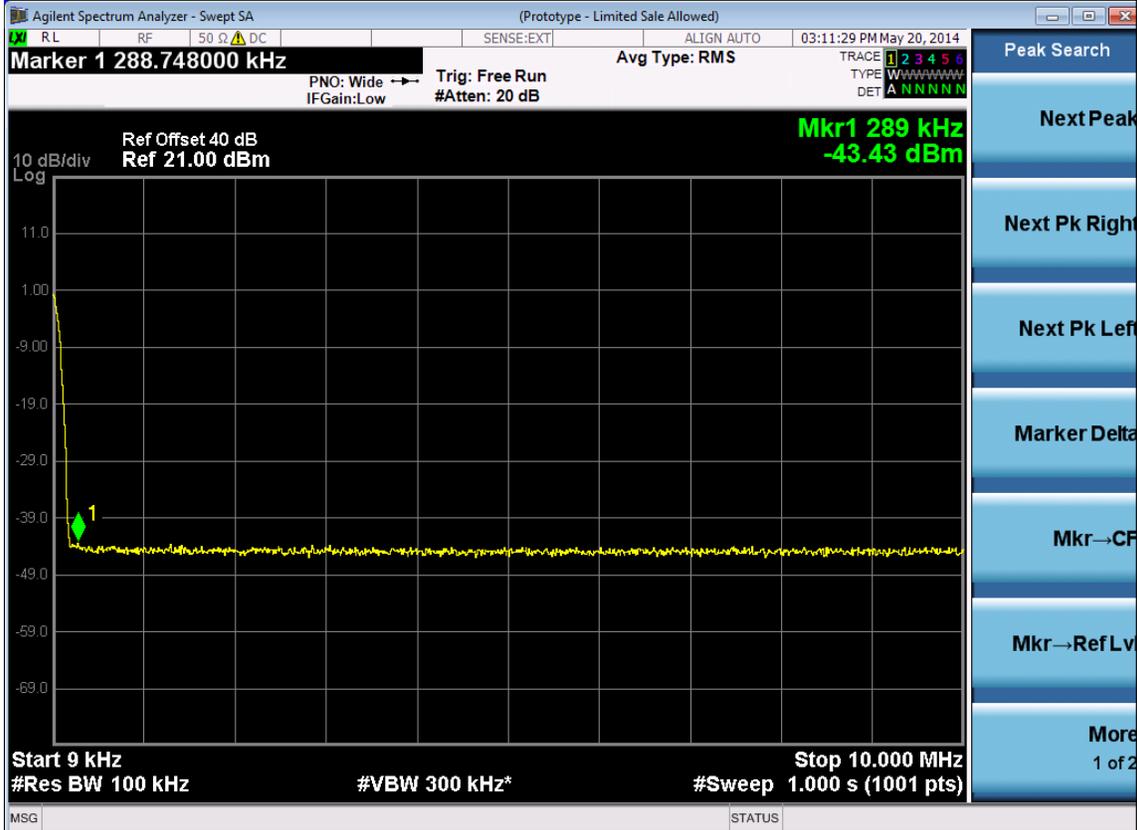
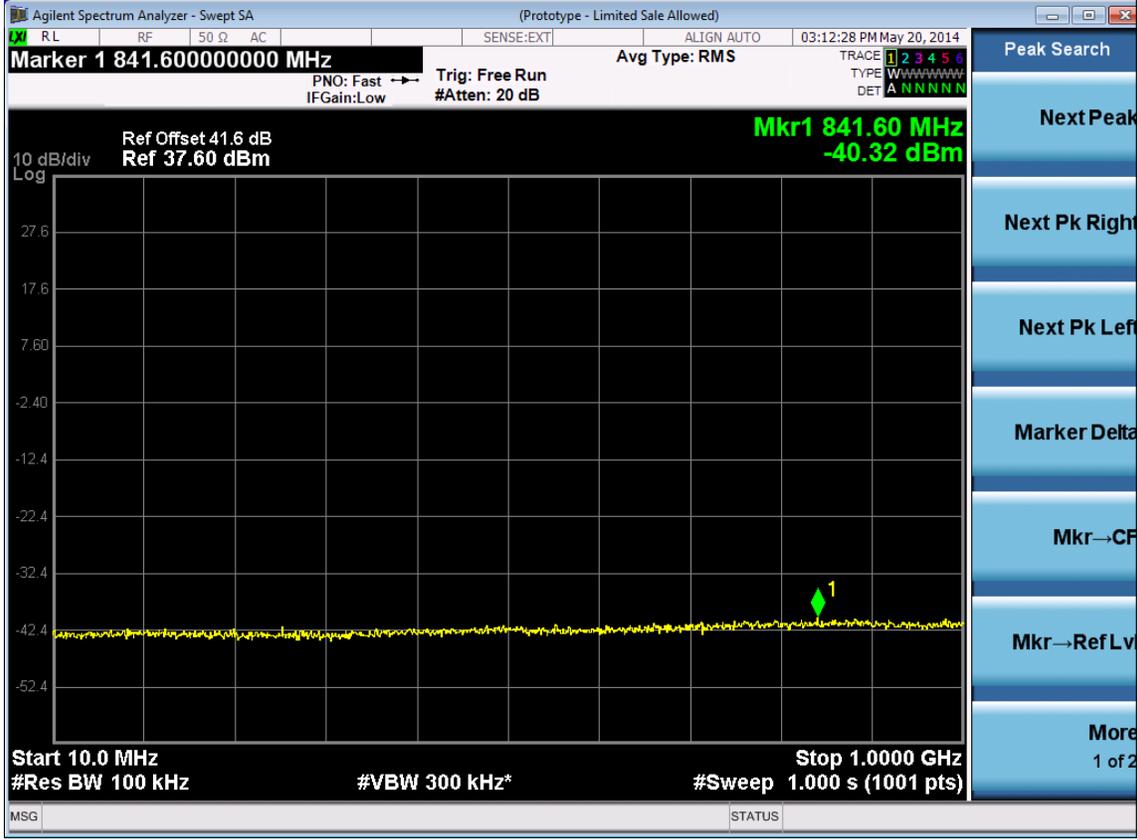




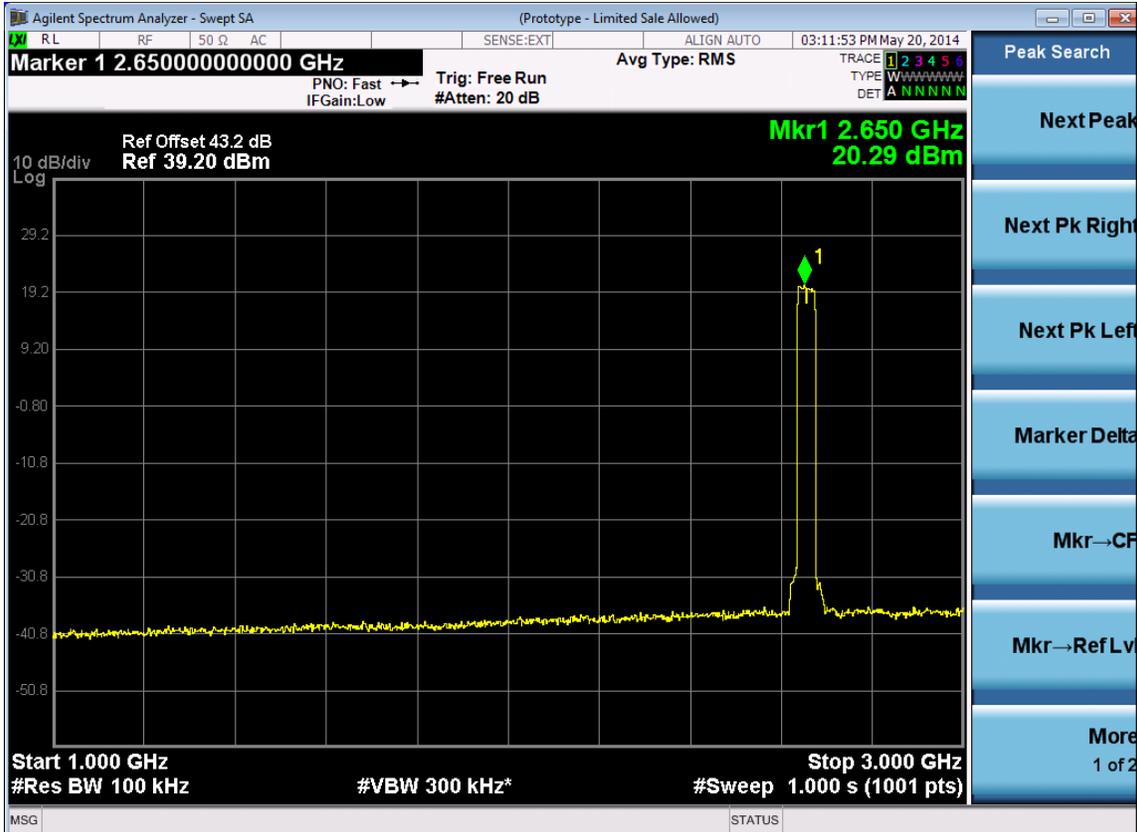
20M+20M-PORT2-2655:



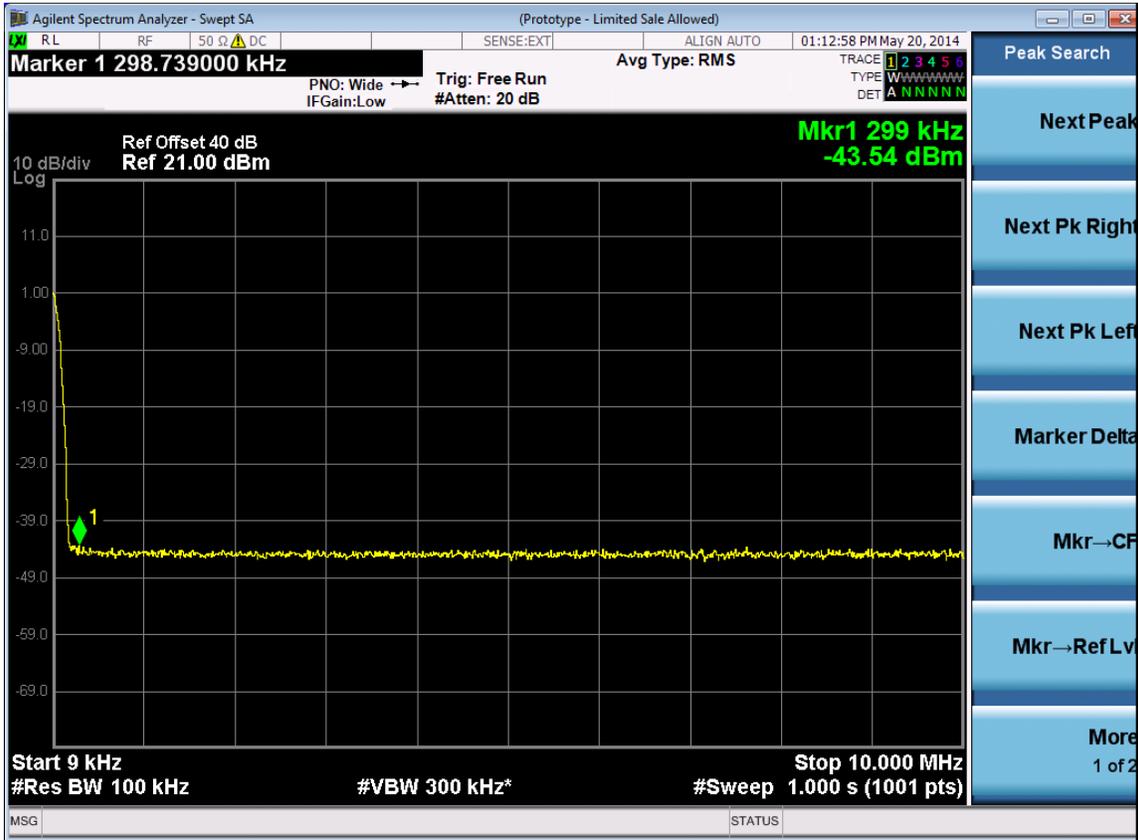
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lv
- More 1 of 2

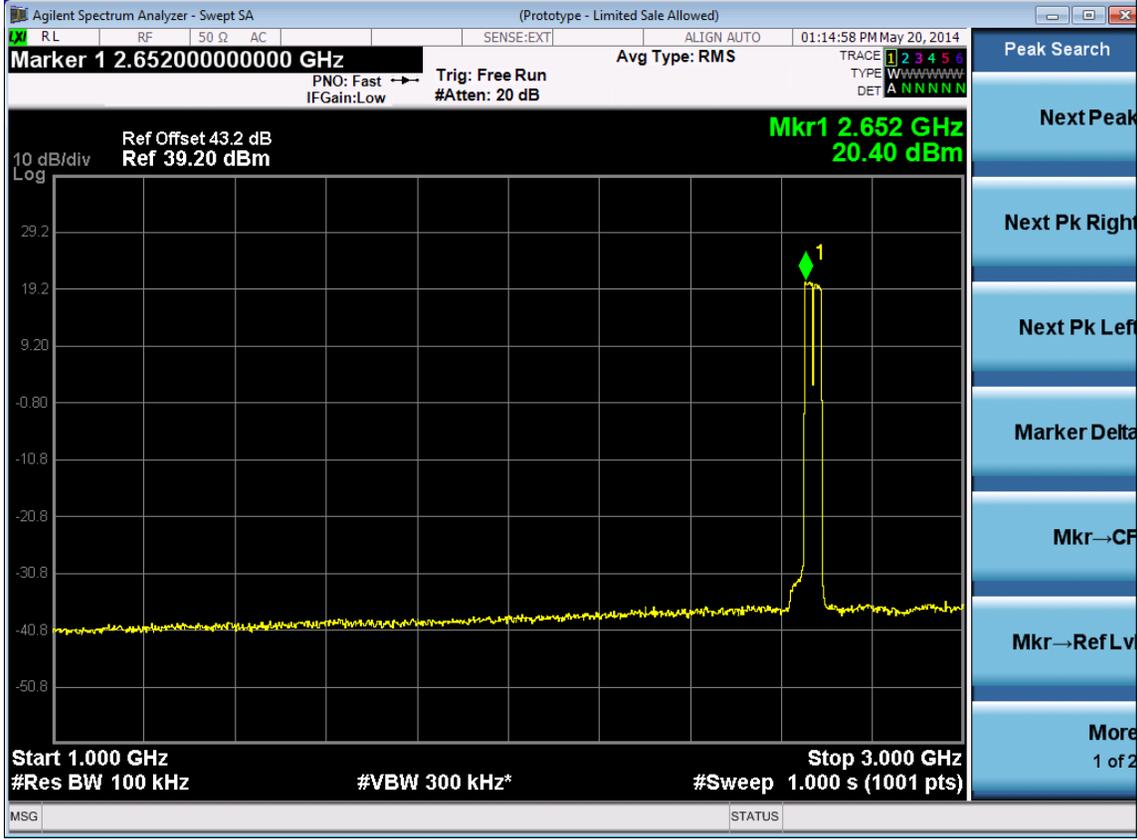
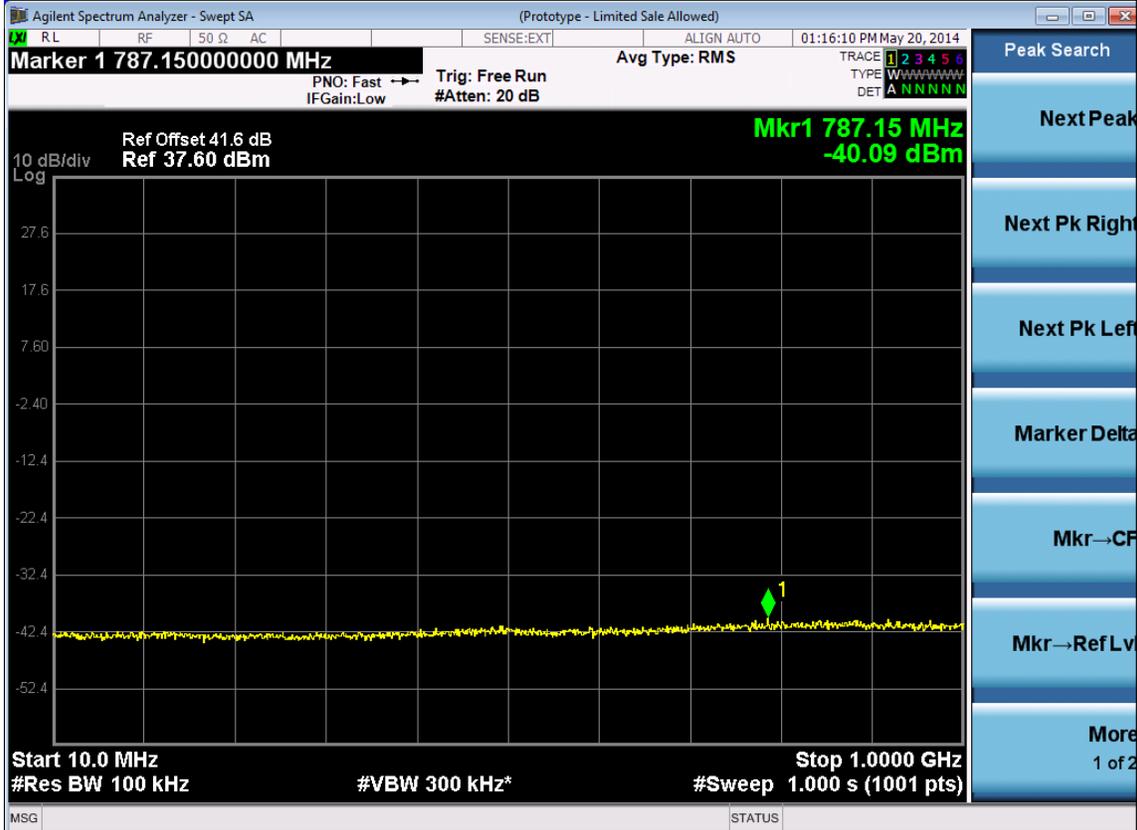


- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lv
- More 1 of 2



20M+20M-PORT2-2670:







# 11 OCCUPIED BANDWIDTH

## Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9030A	MY49431143	2015.06.18	2016.06.18
DTS	DTS 40dB Attenuator	DTS100-40-3-1	09112005	2015.07.19	2016.07.19

**\*statement of traceability:** ZTE Corporation Reliability Testing Center attest that all calibration have been performed per the NVLAP requirements, traceable to NIST.

## Test Procedure

The RF out of the transmitter was connected to the input of the spectrum analyzer through

sufficient attenuation. 99%Power bandwidth was recorded.

## Environmental Conditions

Temperature:	20 ° C
Relative Humidity:	53%
ATM Pressure:	1009mbar

**Test Result:** Pass

**Test Mode:** Transmitting LTE

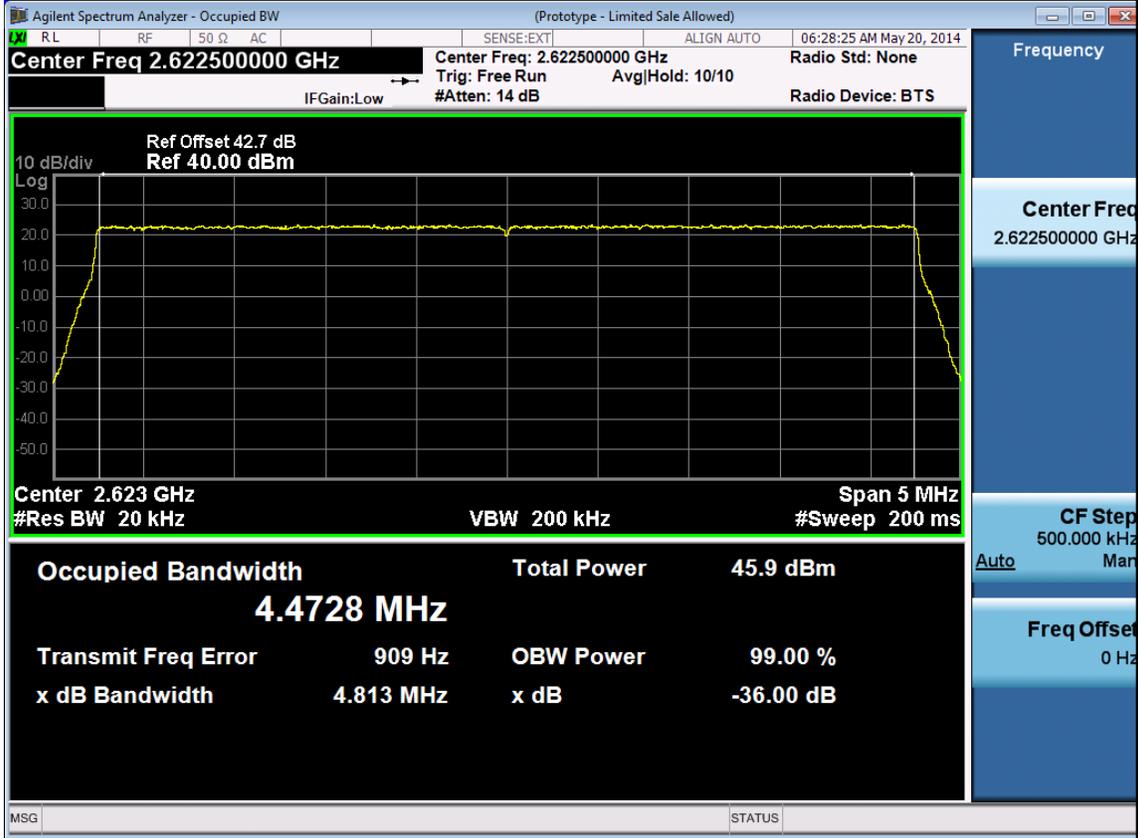
## Test Data

**Single Carrier:**

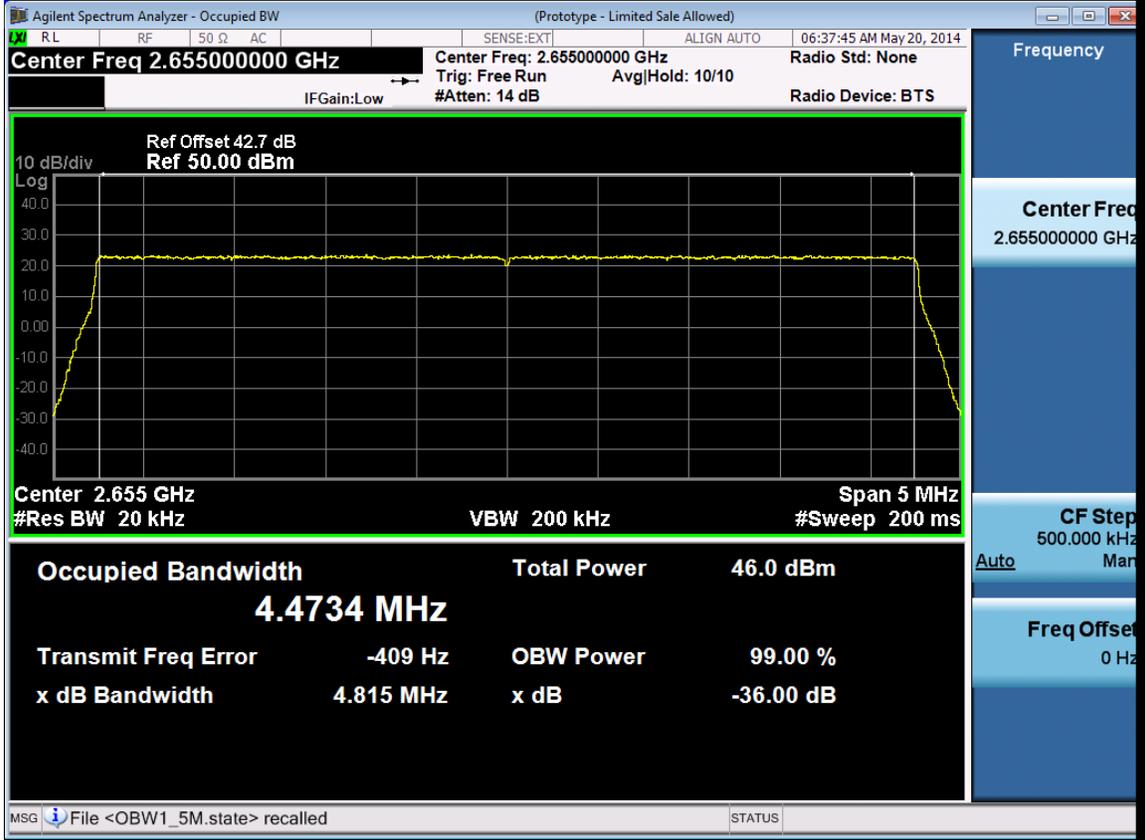
Channel Bandwidth :5M

Port	Center Freq. (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
1	2622.5	4.4728	5M
	2655	4.4734	5M
	2687.5	4.4724	5M
2	2622.5	4.4737	5M
	2655	4.4745	5M
	2687.5	4.4727	5M

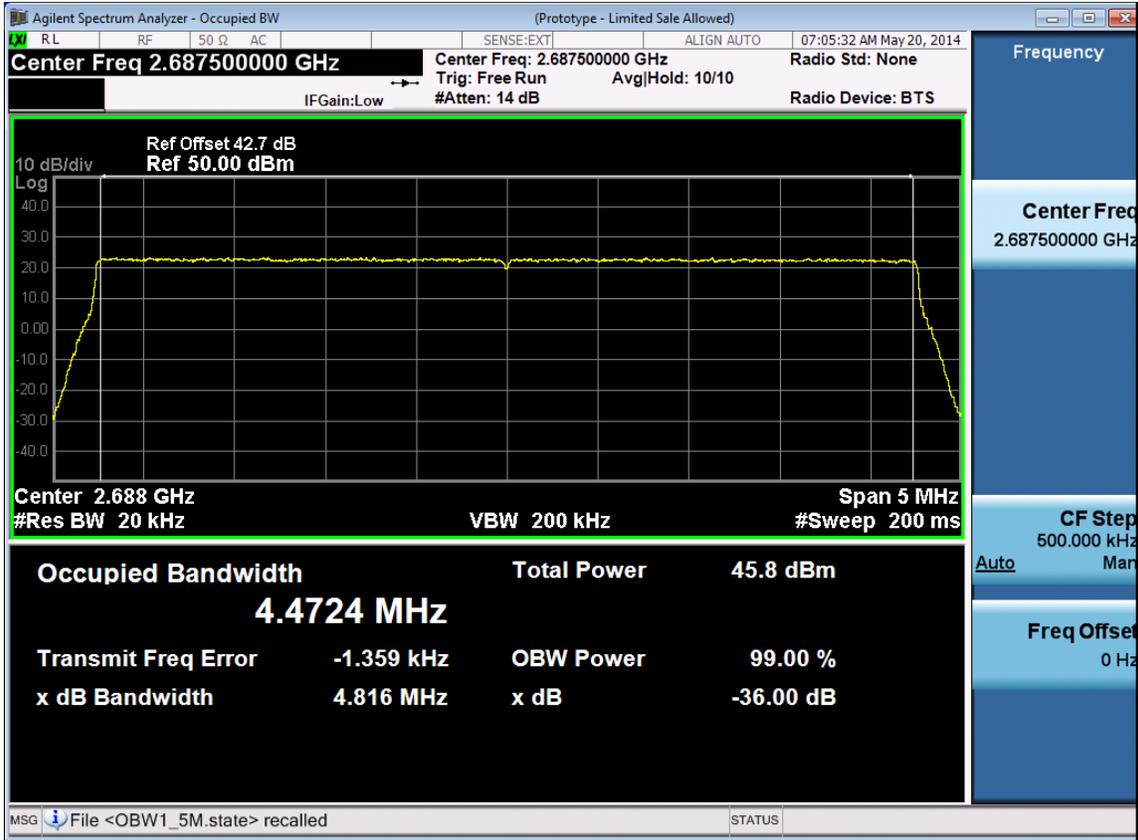
5M -Port 1 -2622.5MHz



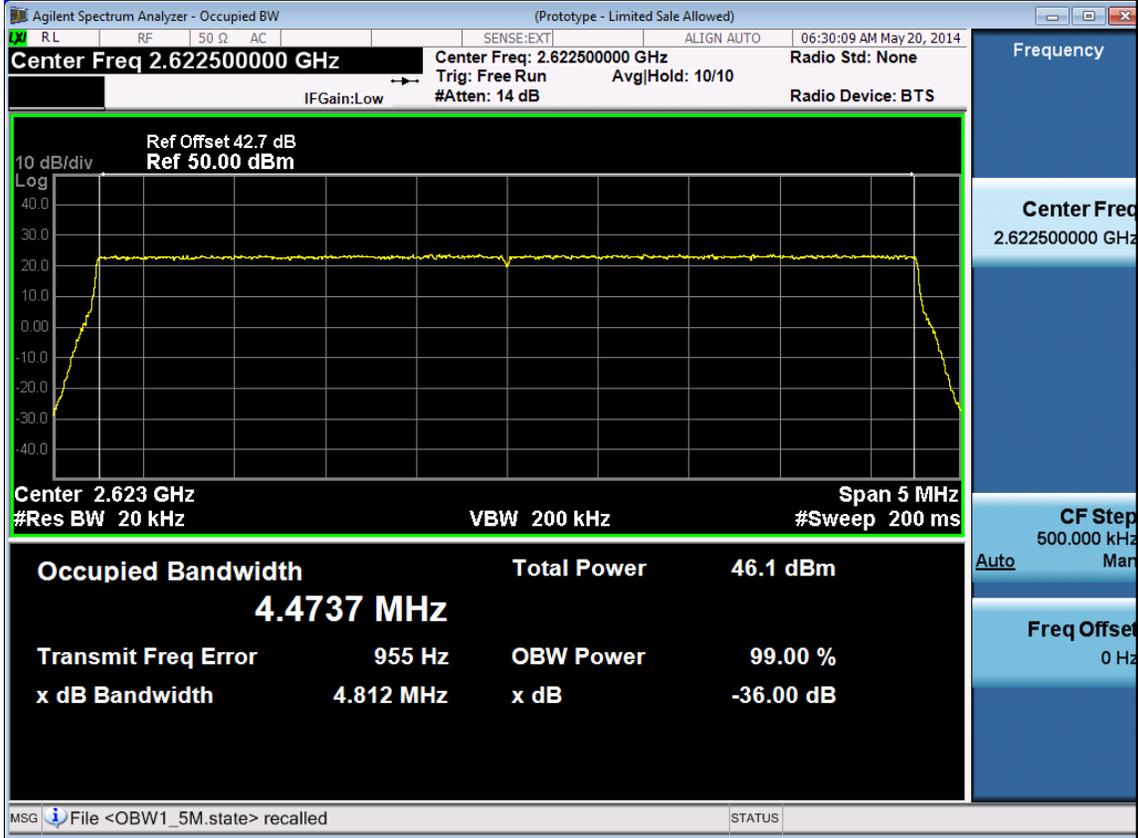
5M -Port 1 -2655MHz



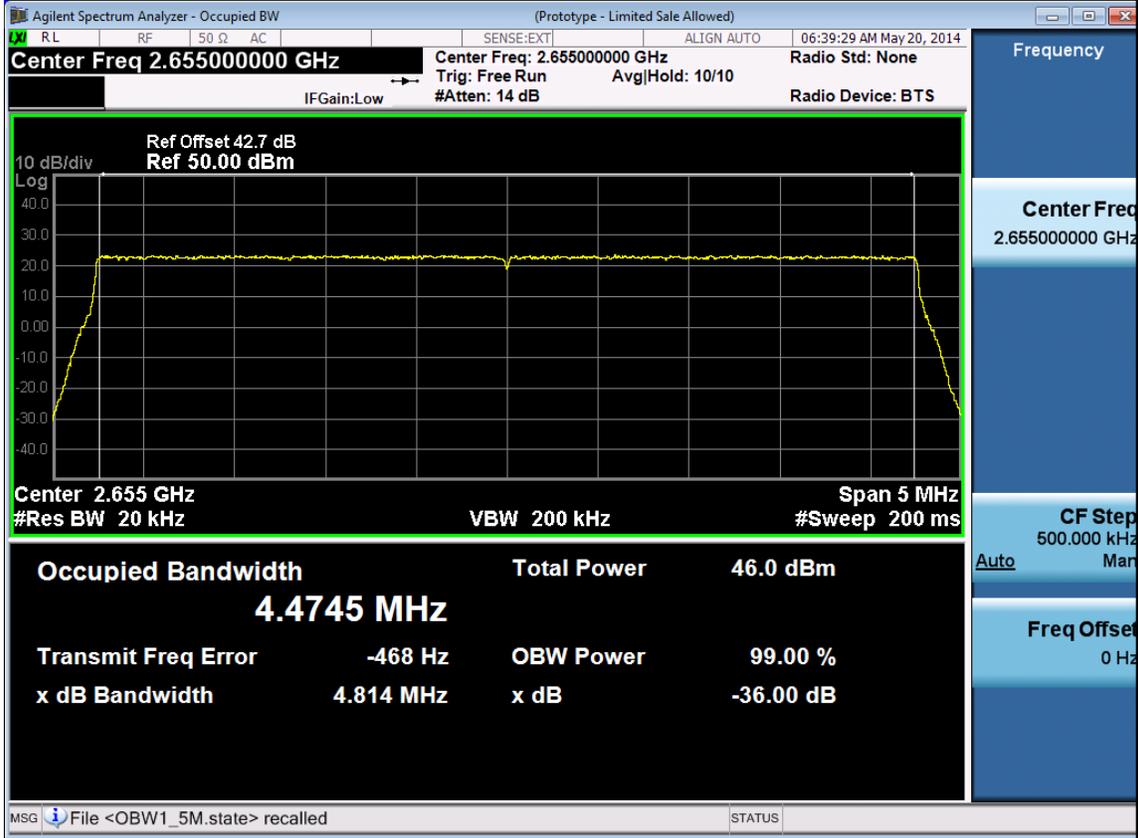
5M -Port 1 -2687.5MHz



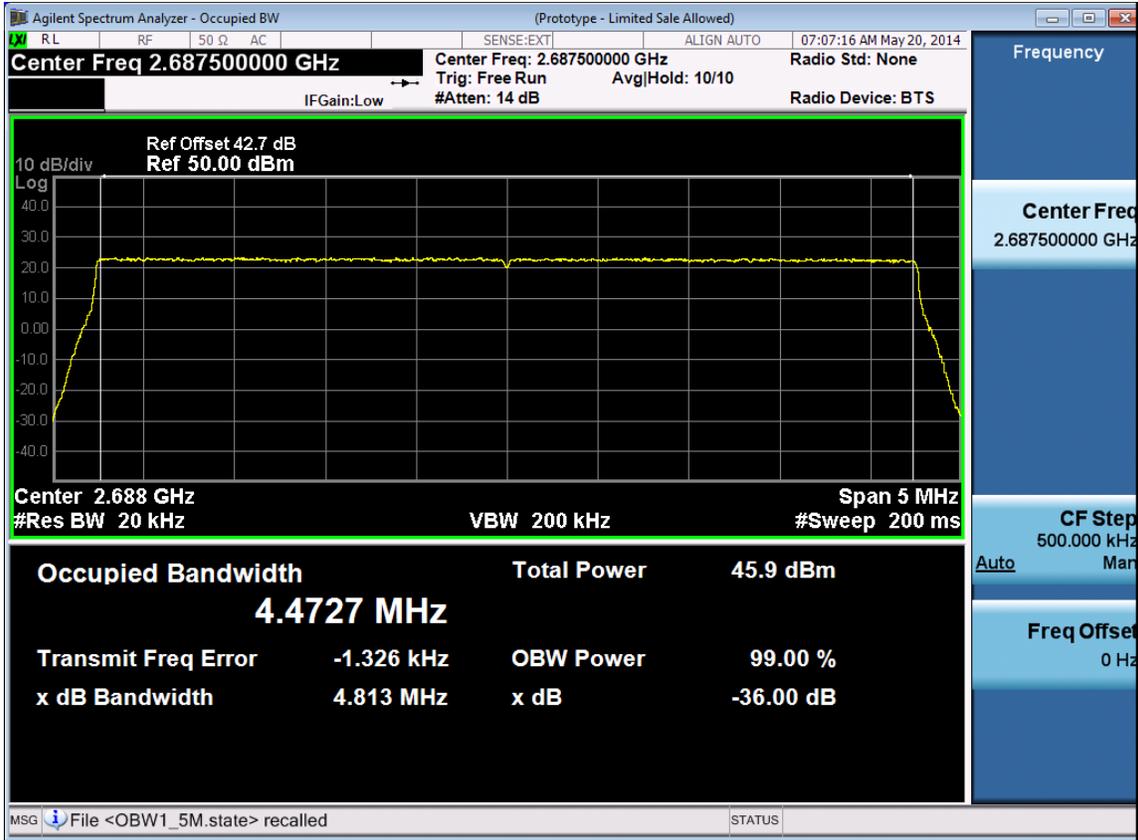
5M -Port 2 -2622.5MHz



5M -Port 2 -2655MHz



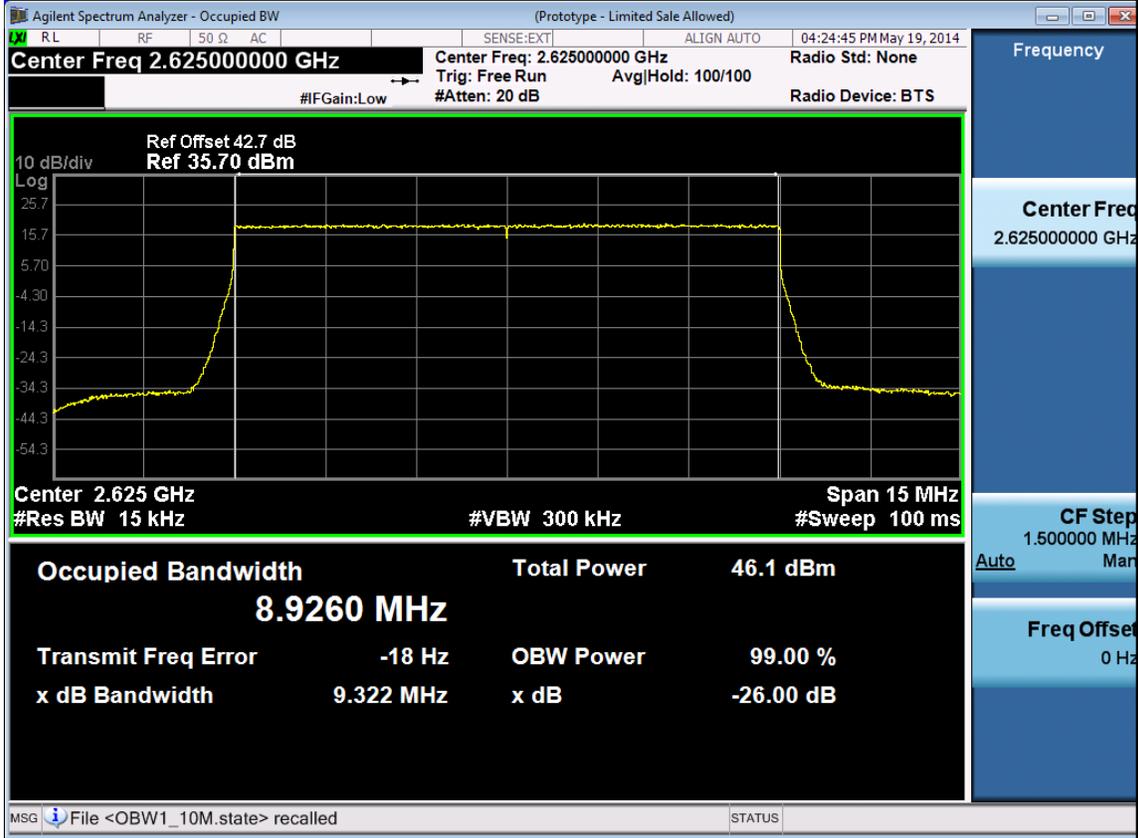
5M -Port 2 -2687.5MHz



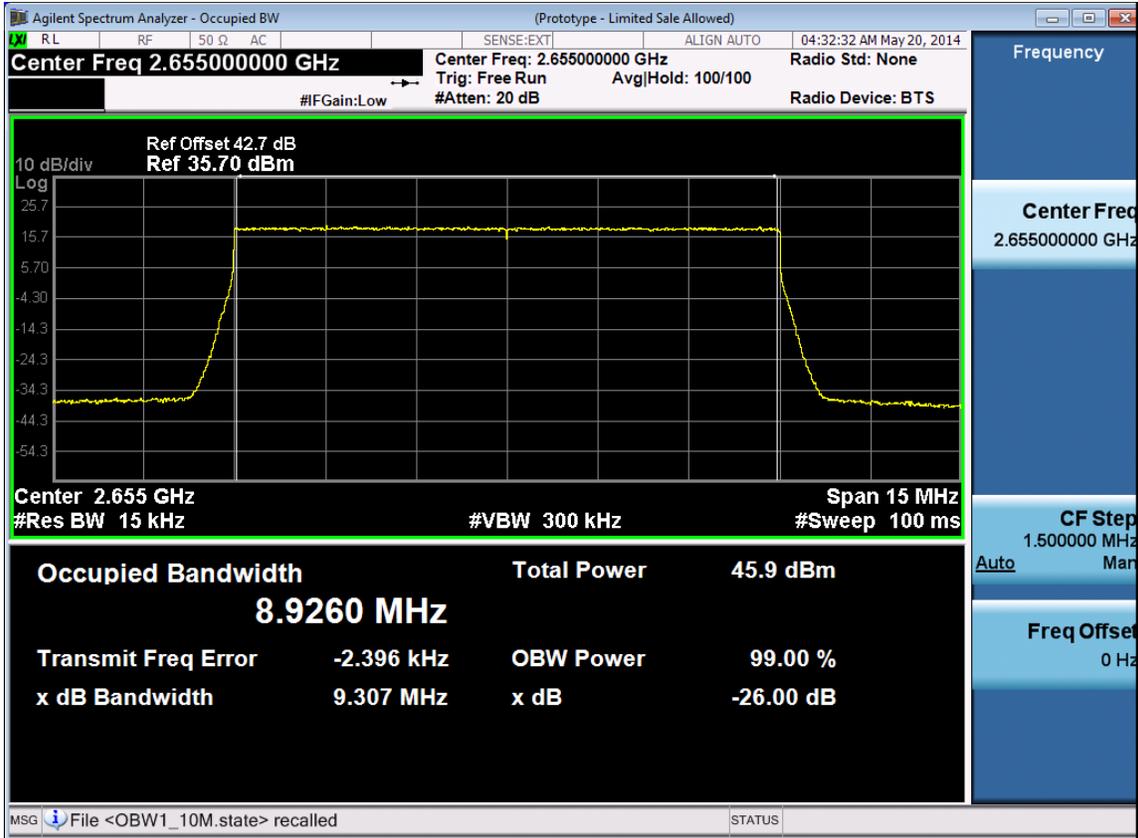
Channel Bandwidth :10M

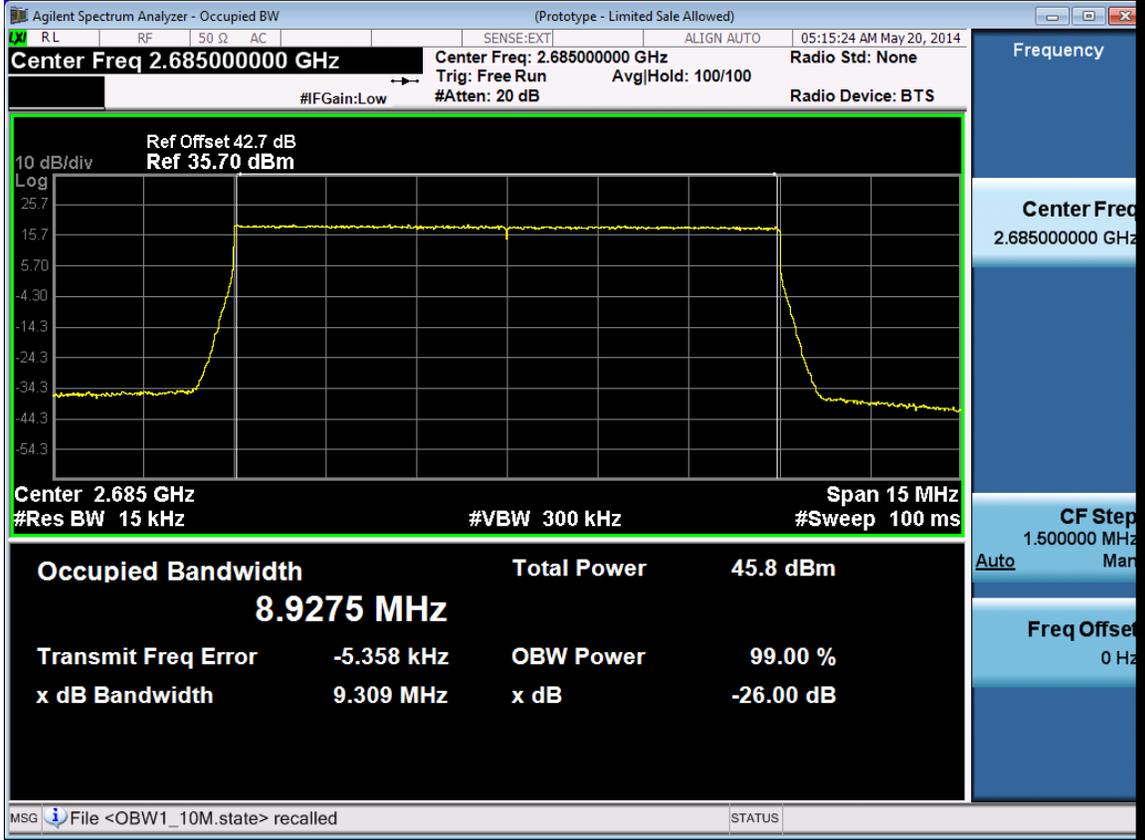
Port	Center Freq. (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
1	2625	8.9260	10M
	2655	8.9260	10M
	2685	8.9275	10M
2	2625	8.9244	10M
	2655	8.9286	10M
	2685	8.9274	10M

10M -Port 1 -2625MHz

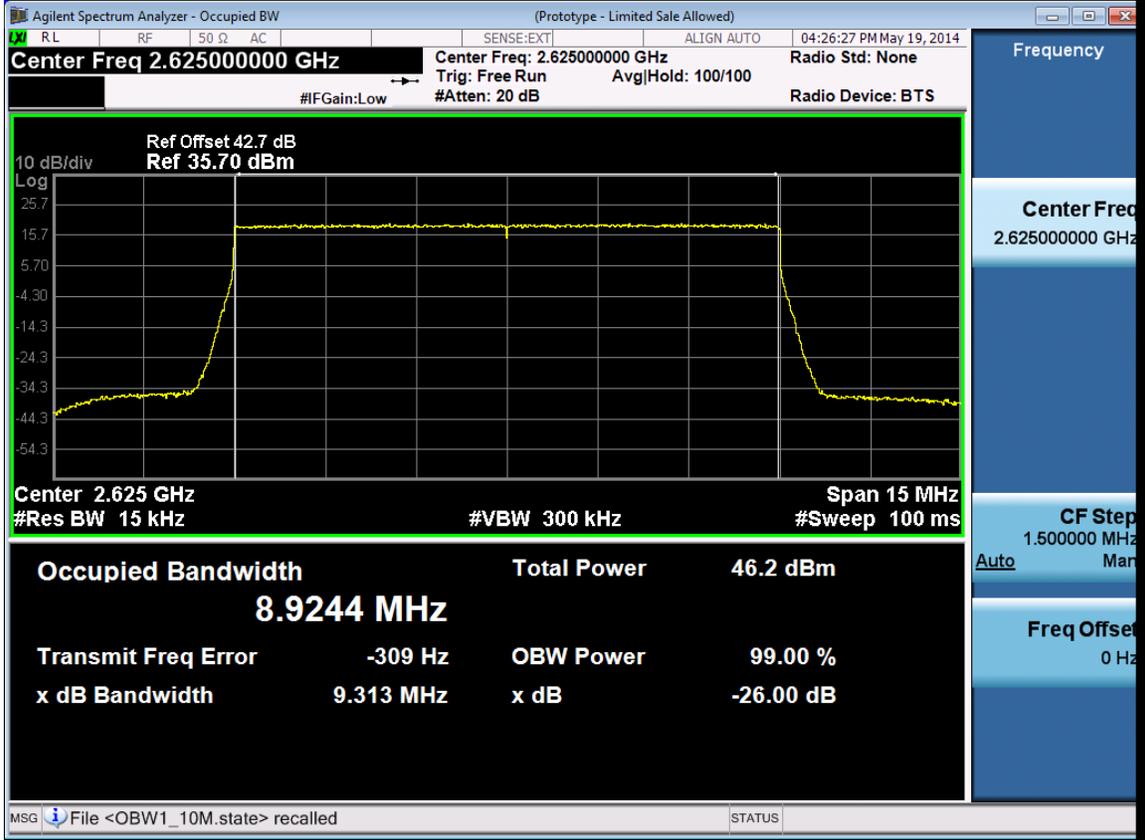


10M -Port 1 -2655MHz

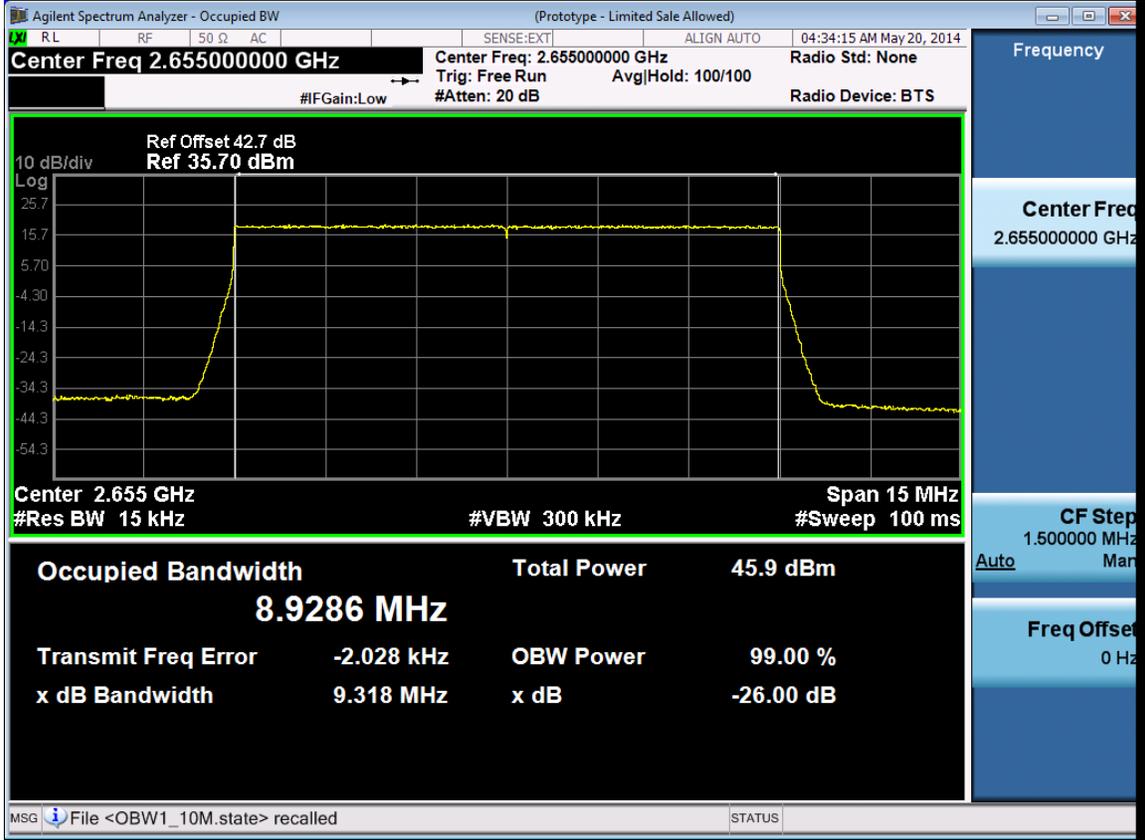




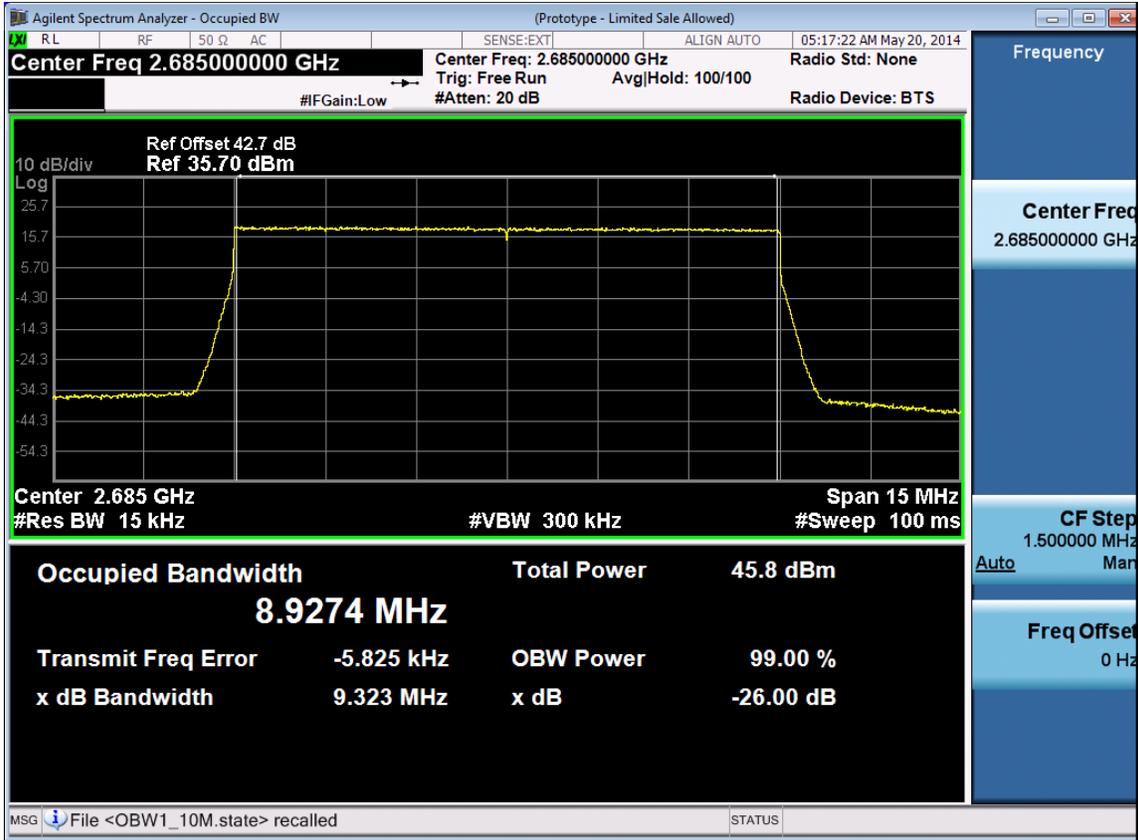
10M -Port 2 -2625MHz



10M -Port 2 -2655MHz



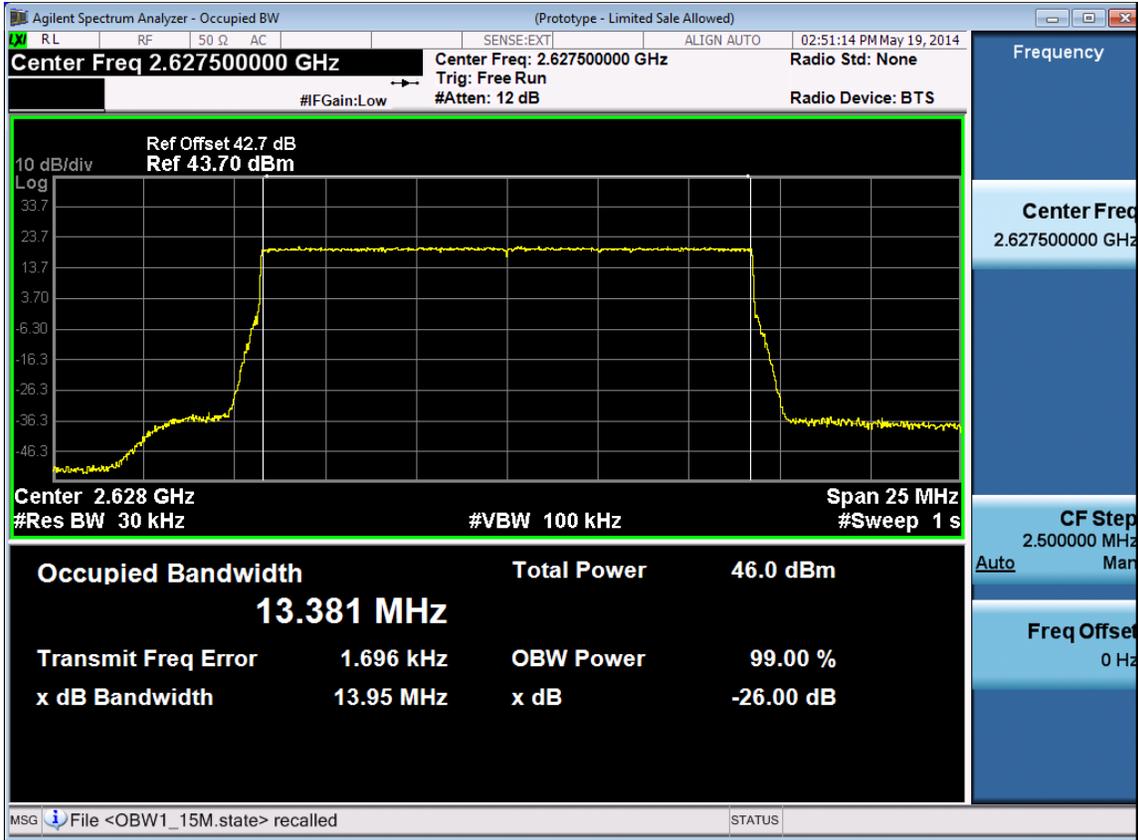
10M -Port 2 -2685MHz



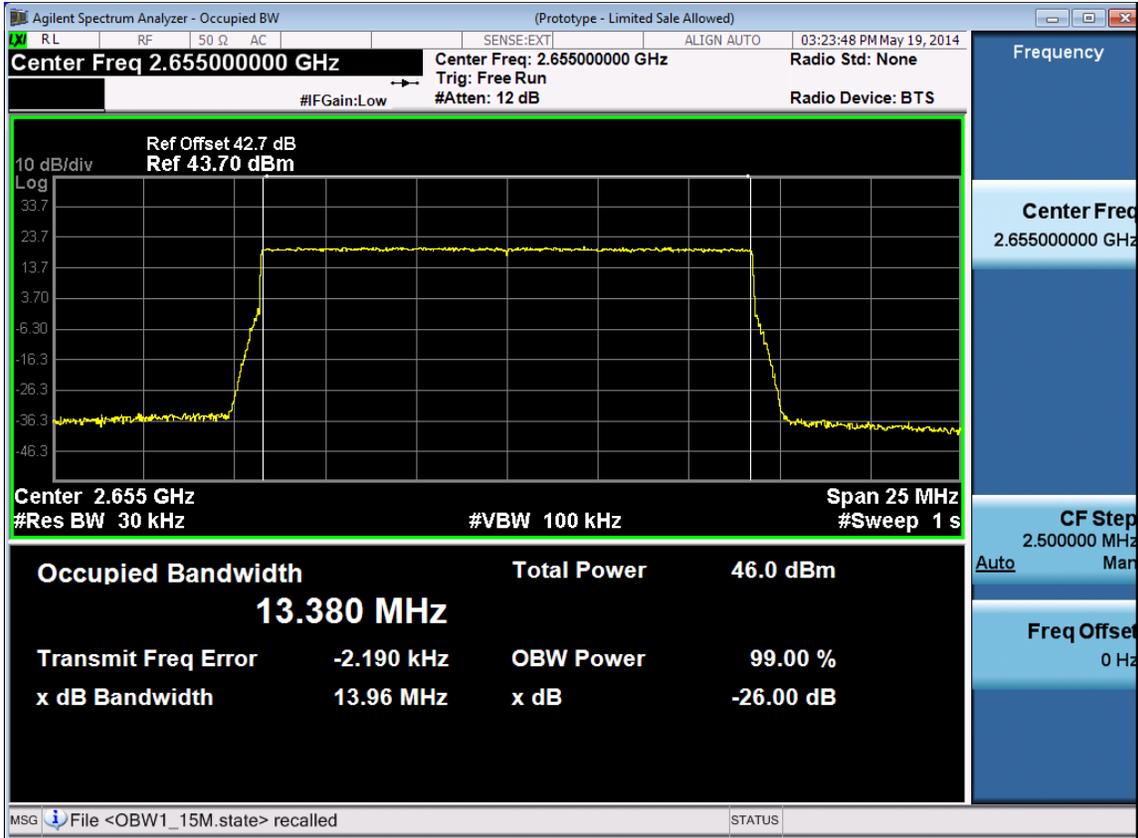
Channel Bandwidth :15M

Port	Center Freq. (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
1	2627.5	13.381	15M
	2655	13.380	15M
	2682.5	13.380	15M
2	2627.5	13.379	15M
	2655	13.378	15M
	2682.5	13.379	15M

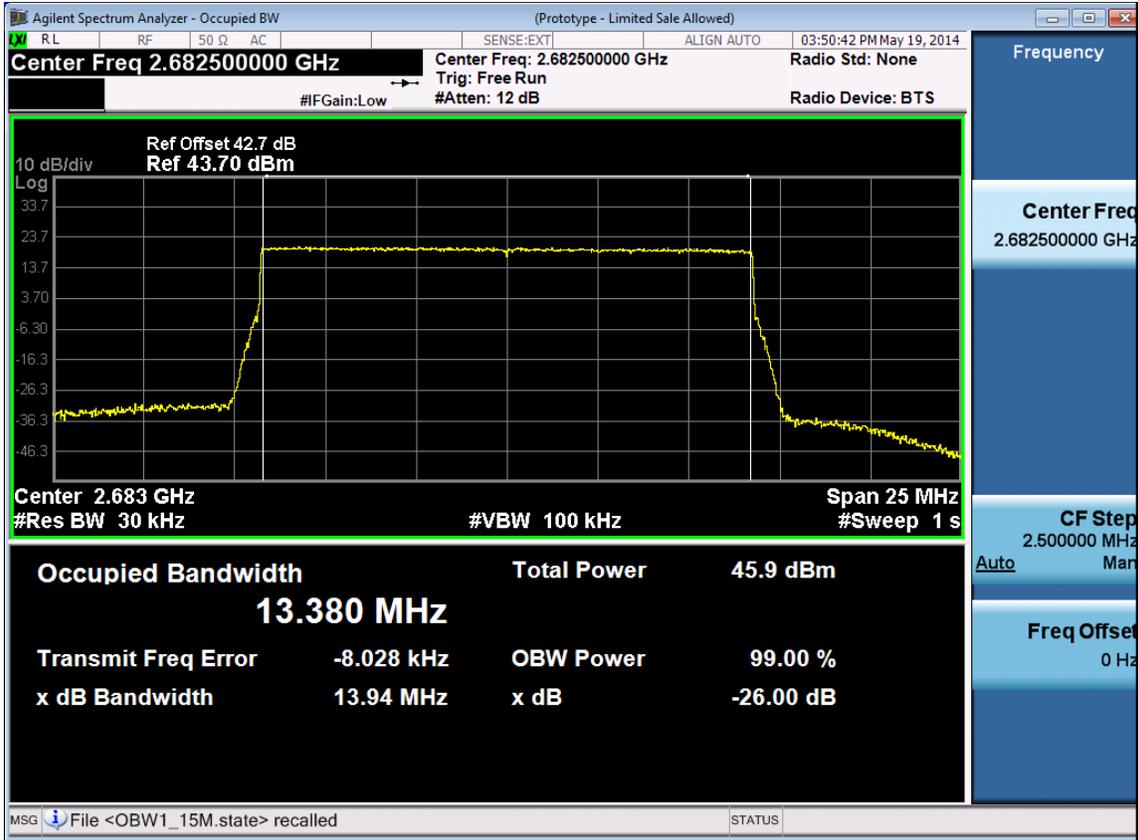
15M -Port 1 -2627.5MHz



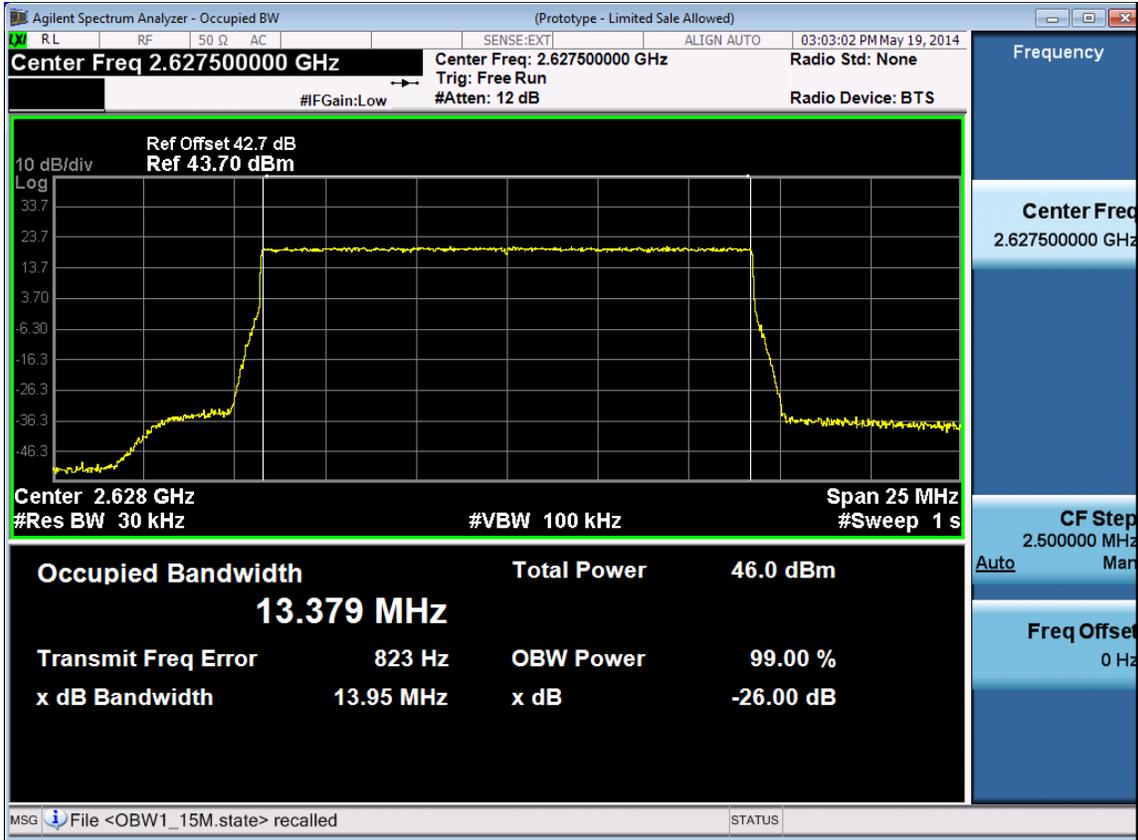
15M -Port 1 -2655MHz



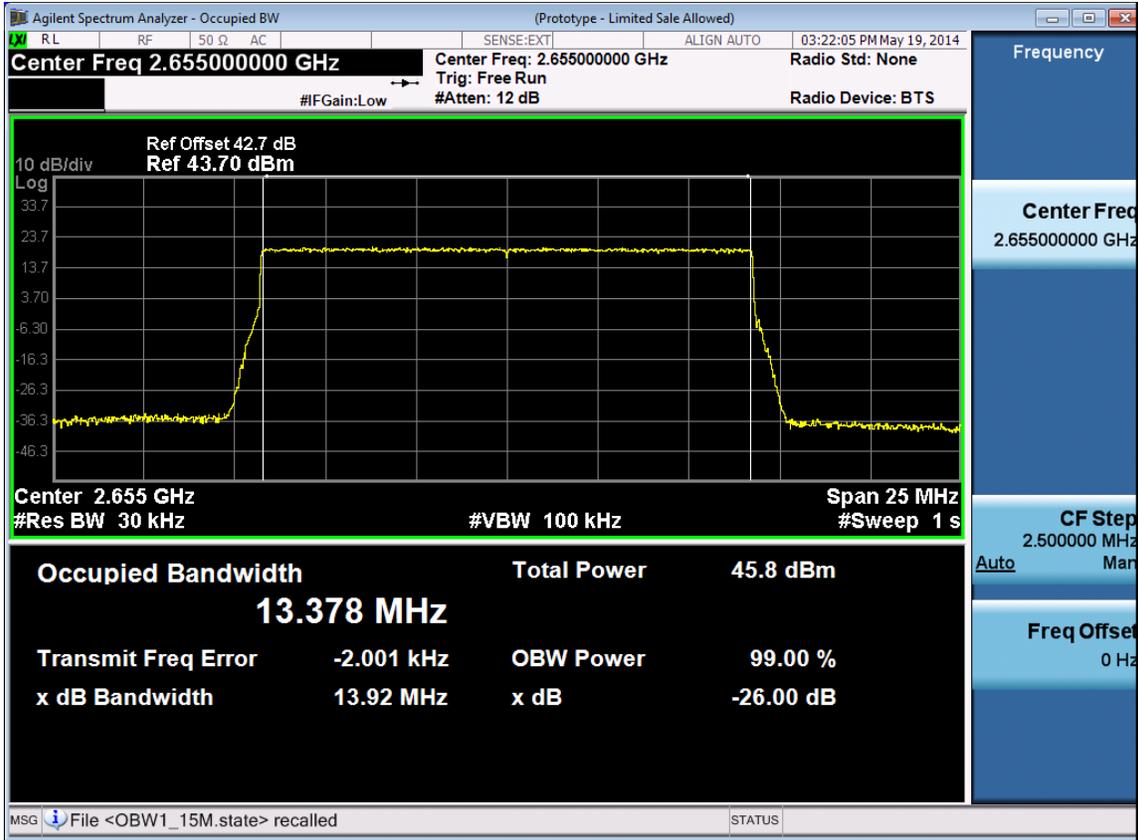
15M -Port 1 -2682.5MHz



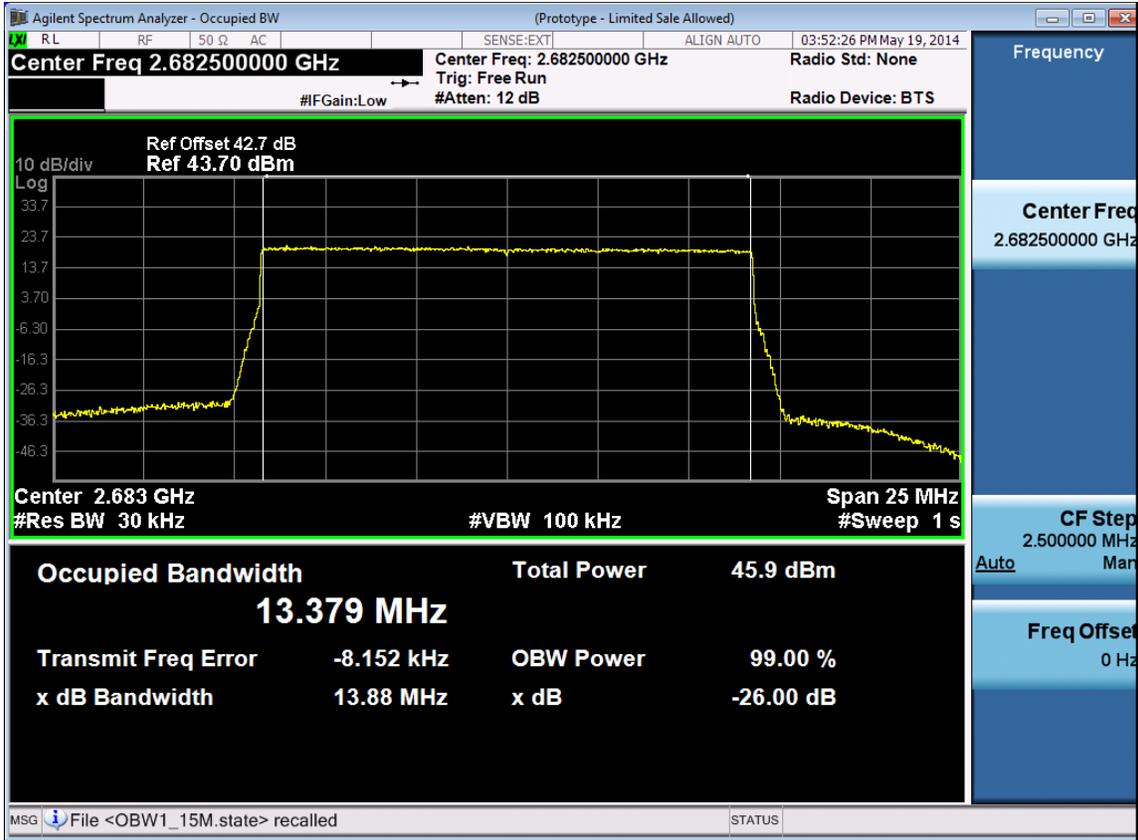
15M -Port 2 -2627.5MHz



15M -Port 2 -2655MHz



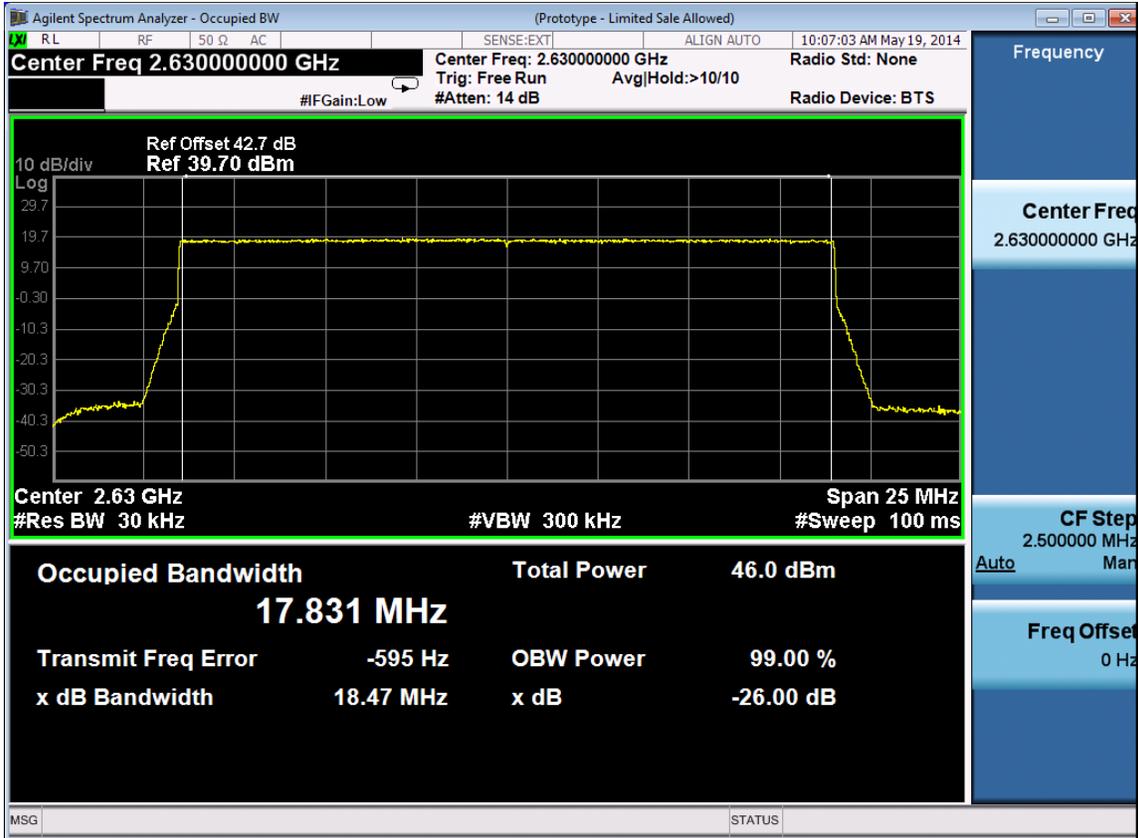
15M -Port 2 -2682.5MHz



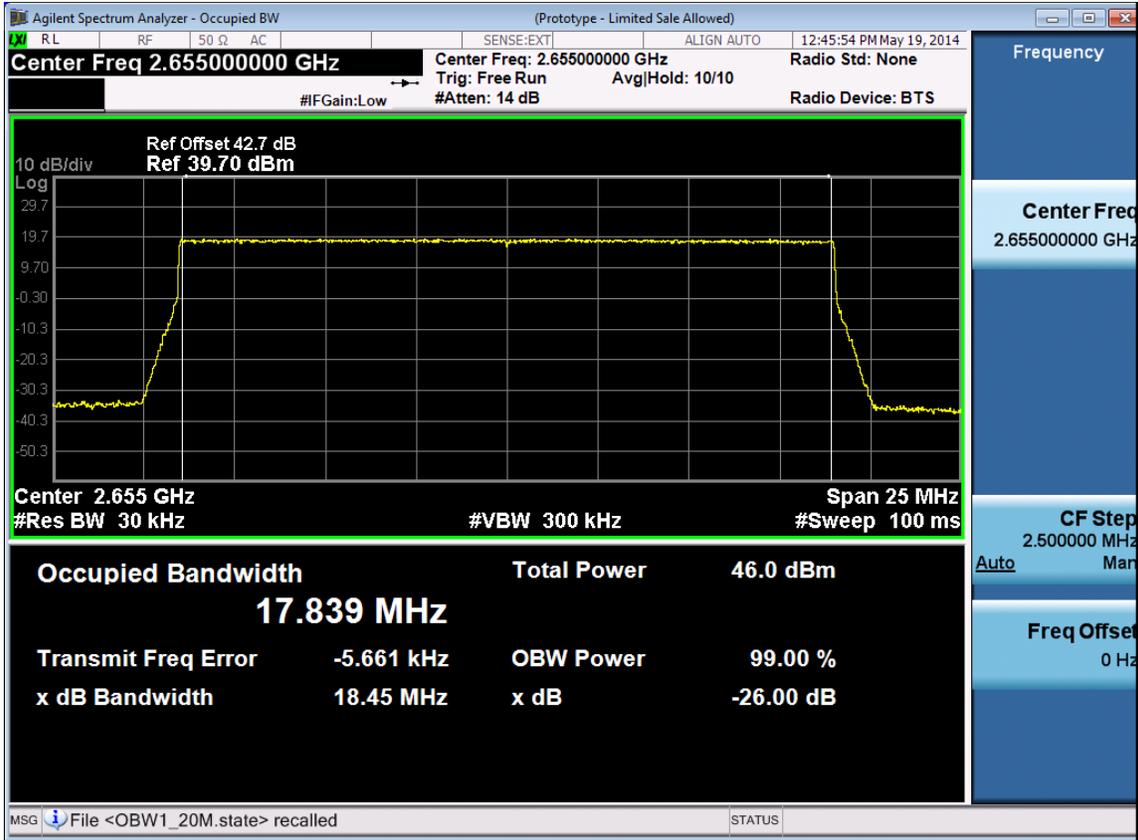
Channel Bandwidth :20M

Port	Center Freq. (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
1	2630	17.831	20M
	2655	17.839	20M
	2680	17.829	20M
2	2630	17.830	20M
	2655	17.830	20M
	2680	17.831	20M

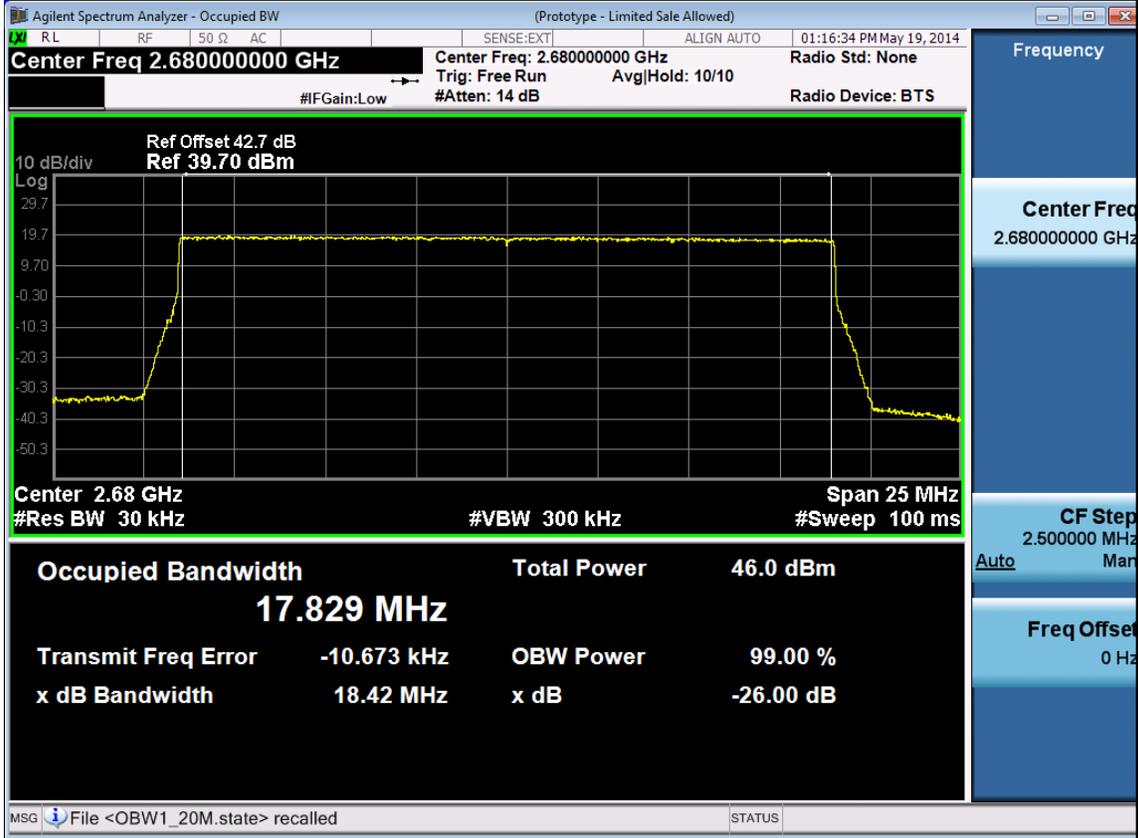
20M -Port 1 -2630MHz



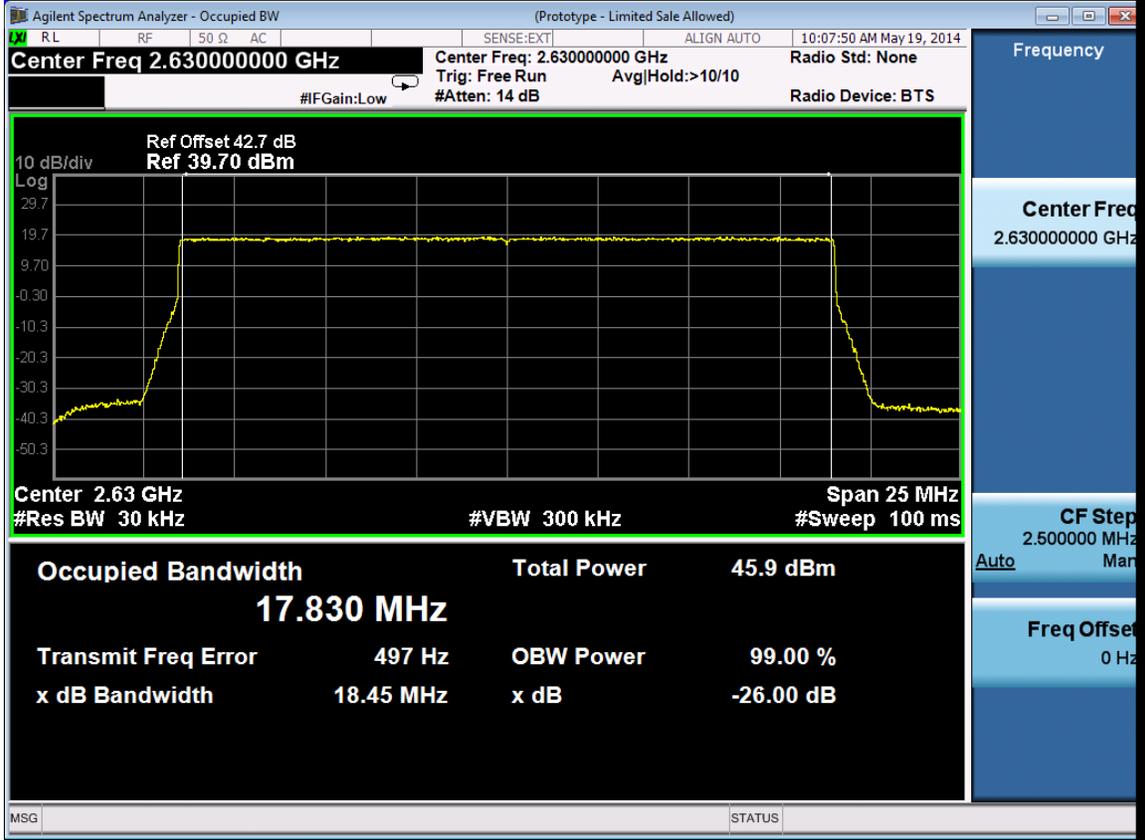
20M -Port 1 -2655MHz



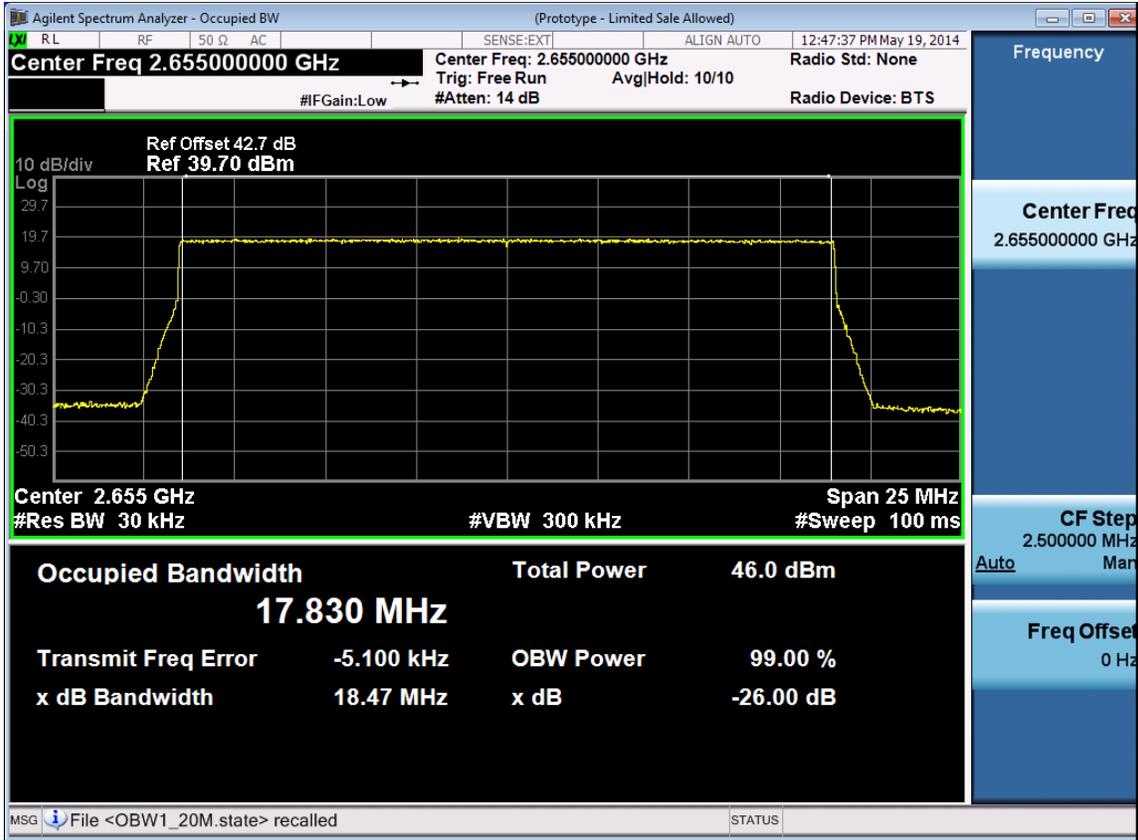
20M -Port 1 -2680MHz



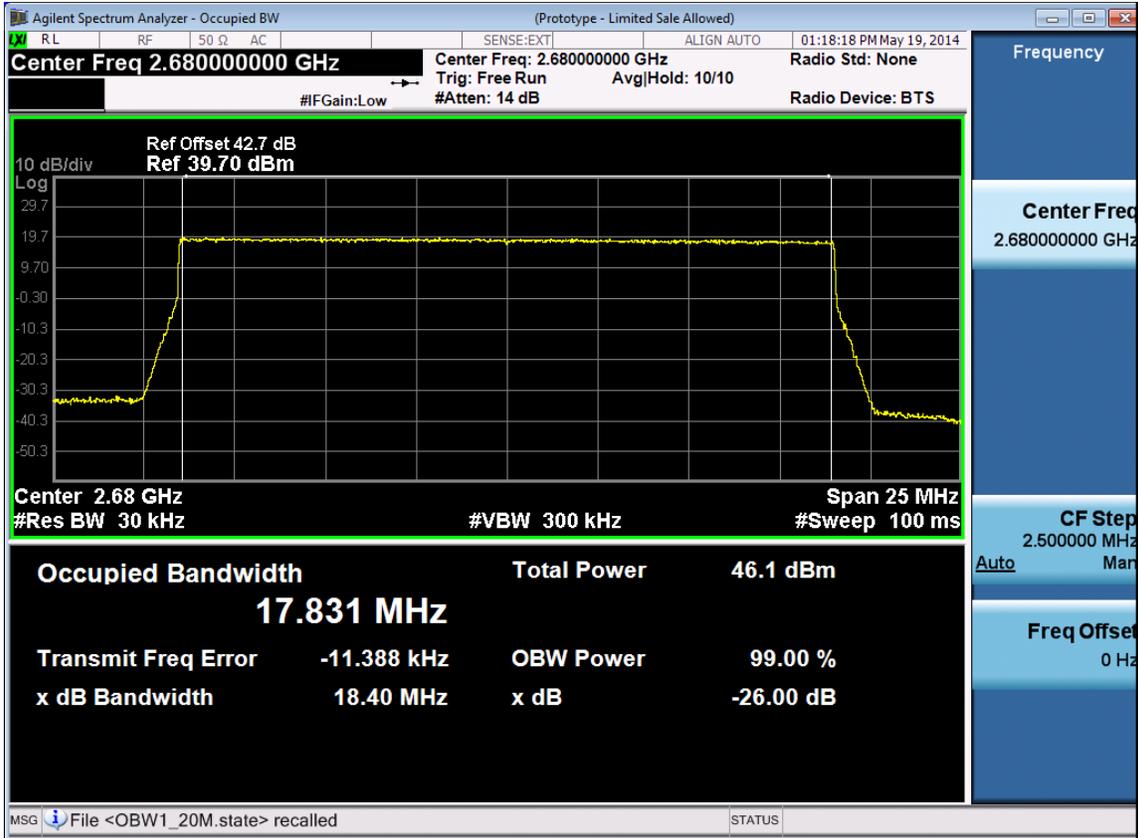
20M -Port 2 -2630MHz



20M -Port 2 -2655MHz



20M -Port 2 -2680MHz

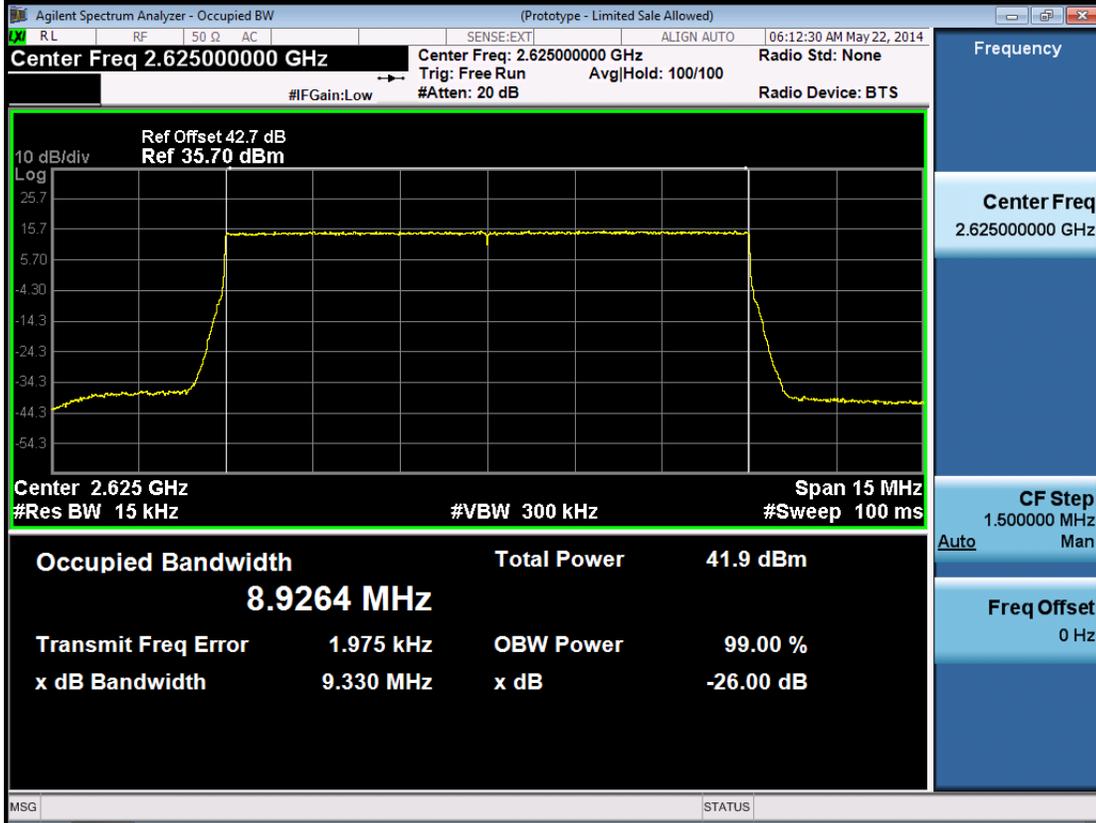


## Double Carrier:

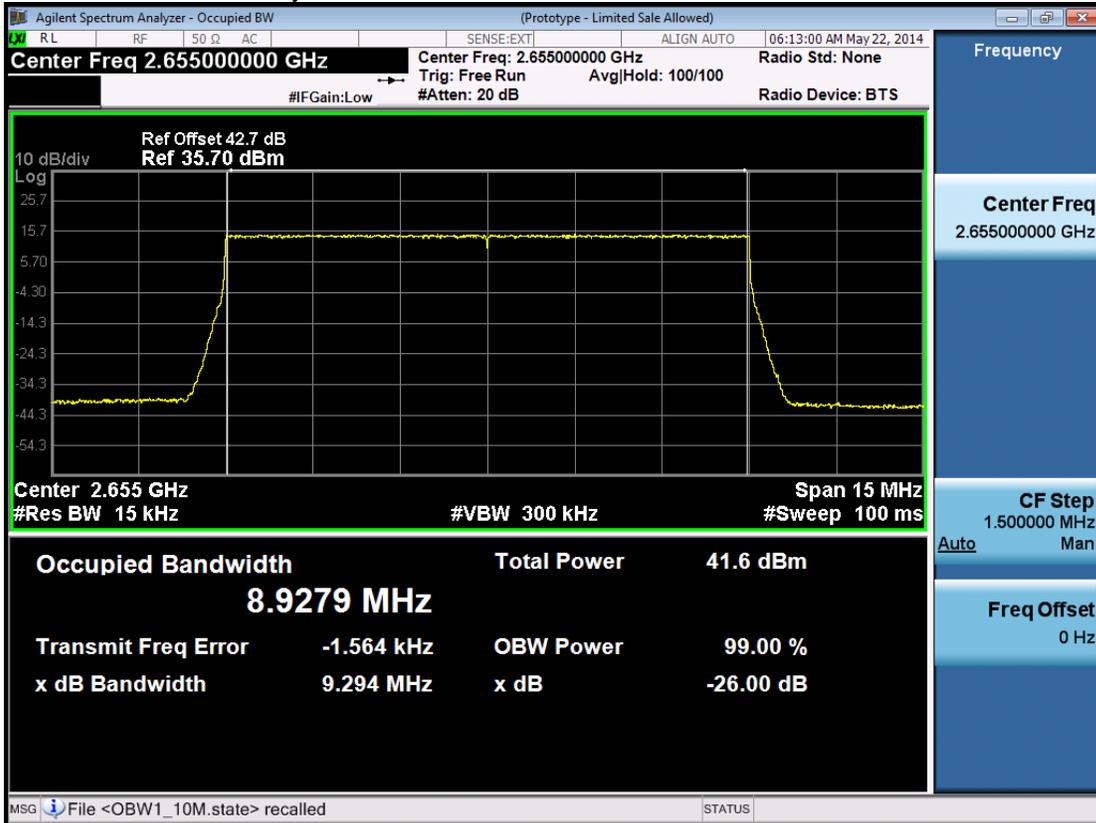
Channel Bandwidth :10M+10M

Port	Carry1 Center Freq. (MHz)	Carry1 99% Power Bandwidth (MHz)	Carry2 Center Freq. (MHz)	Carry2 99% Power Bandwidth (MHz)	Limit (MHz)
1	2625	8.9264	2655	8.9279	10M
	2640	8.9279	2670	8.9290	10M
	2655	8.9270	2685	8.9285	10M
2	2625	8.9250	2655	8.9299	10M
	2640	8.9251	2670	8.9266	10M
	2655	8.9247	2685	8.9265	10M

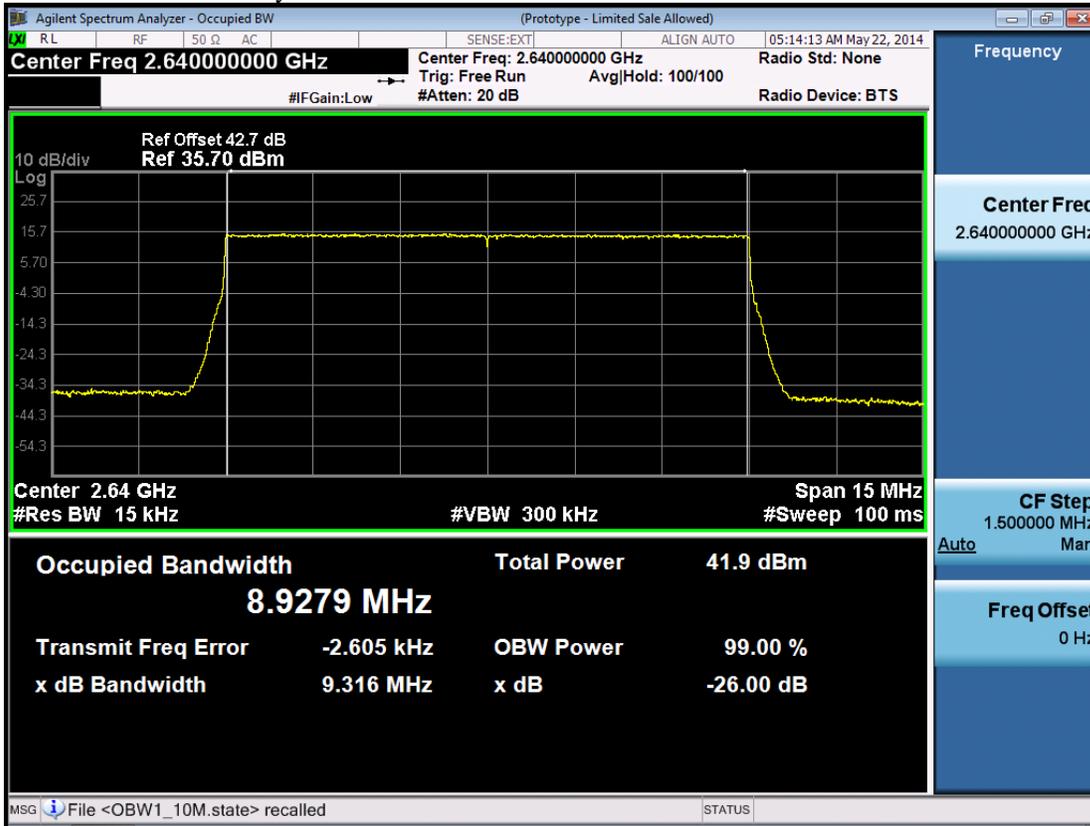
10M+10M -Port 1 -carry1-2625MHz



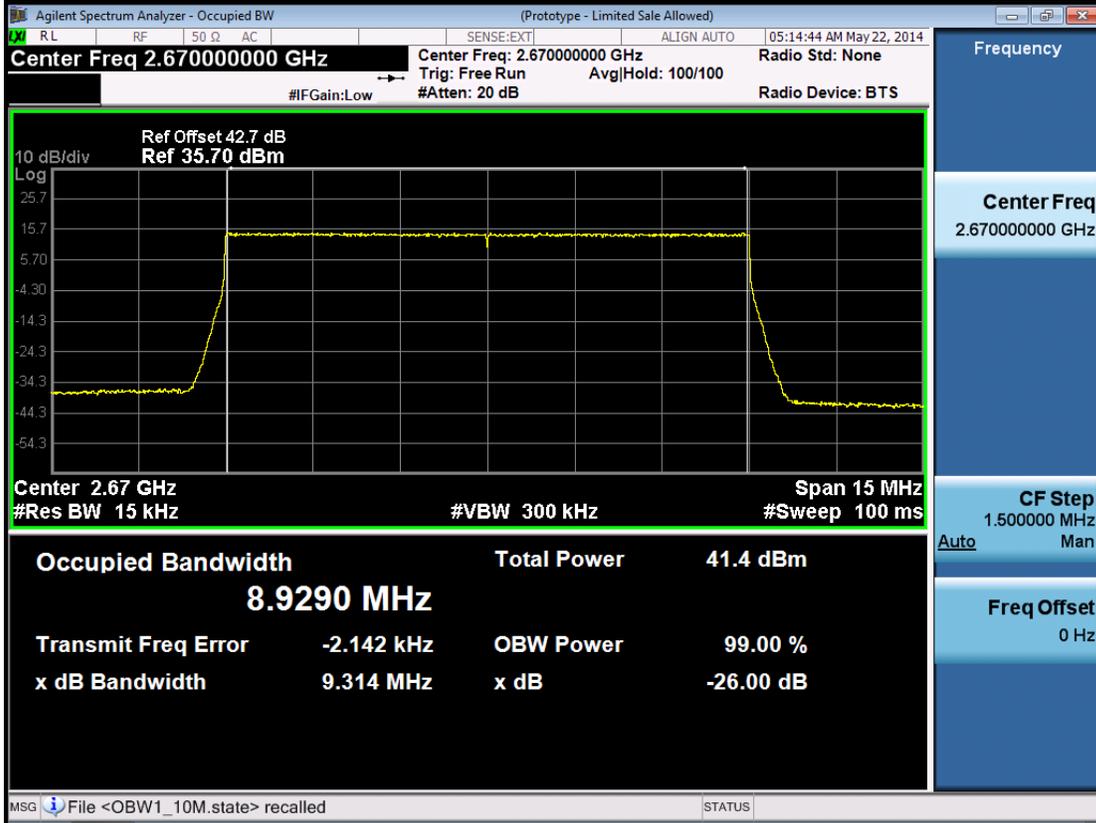
### 10M+10M -Port 1 -carry2-2655MHz



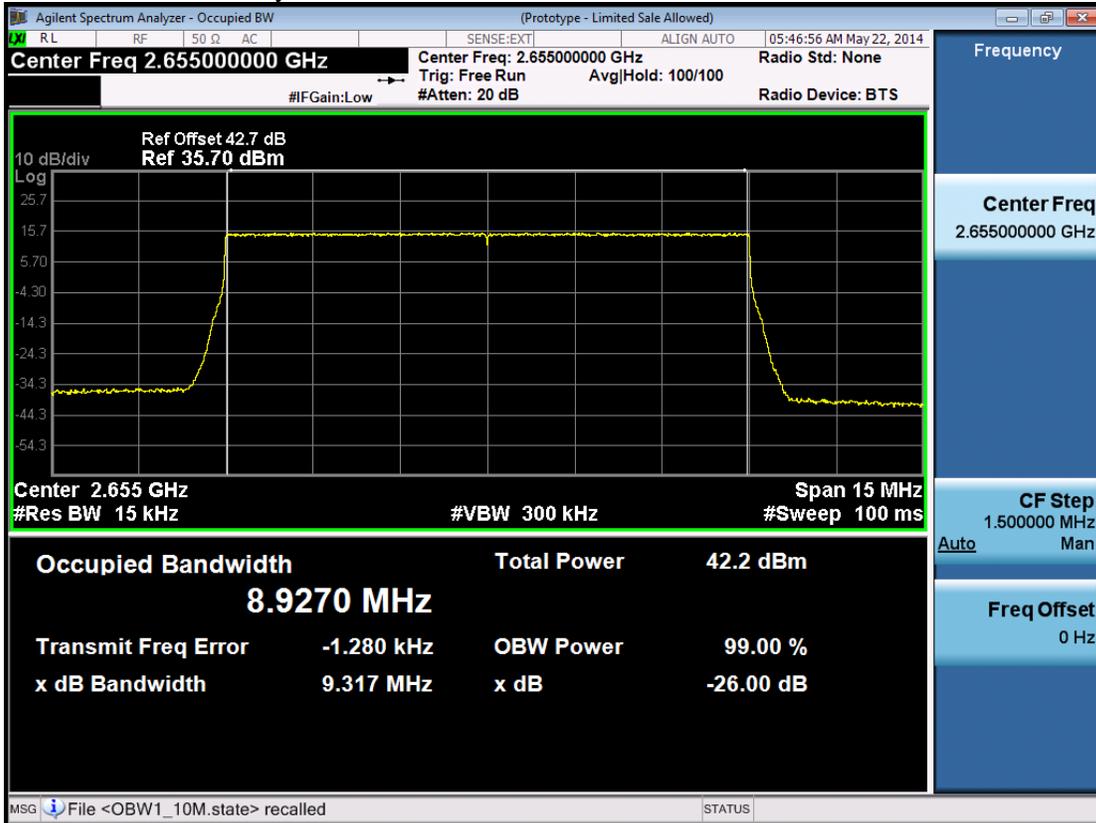
10M+10M -Port 1 - carry1-2640MHz



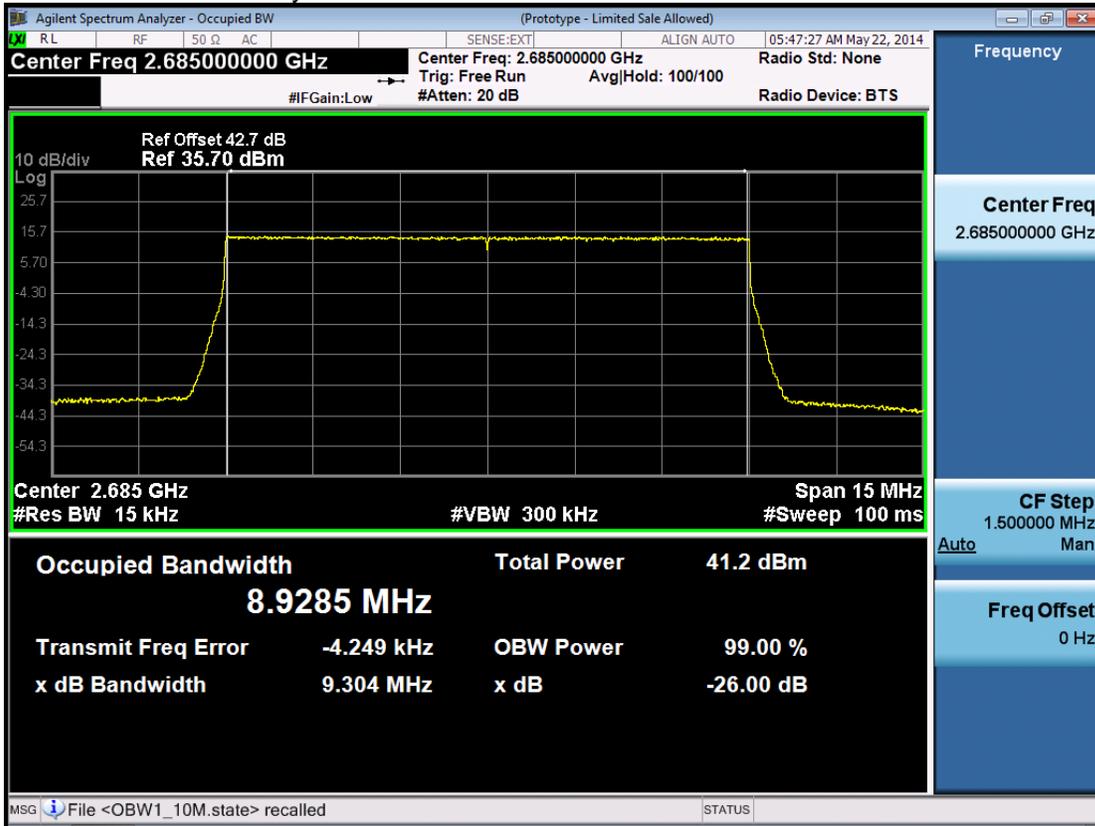
10M+10M -Port 1 - carry2-2670MHz



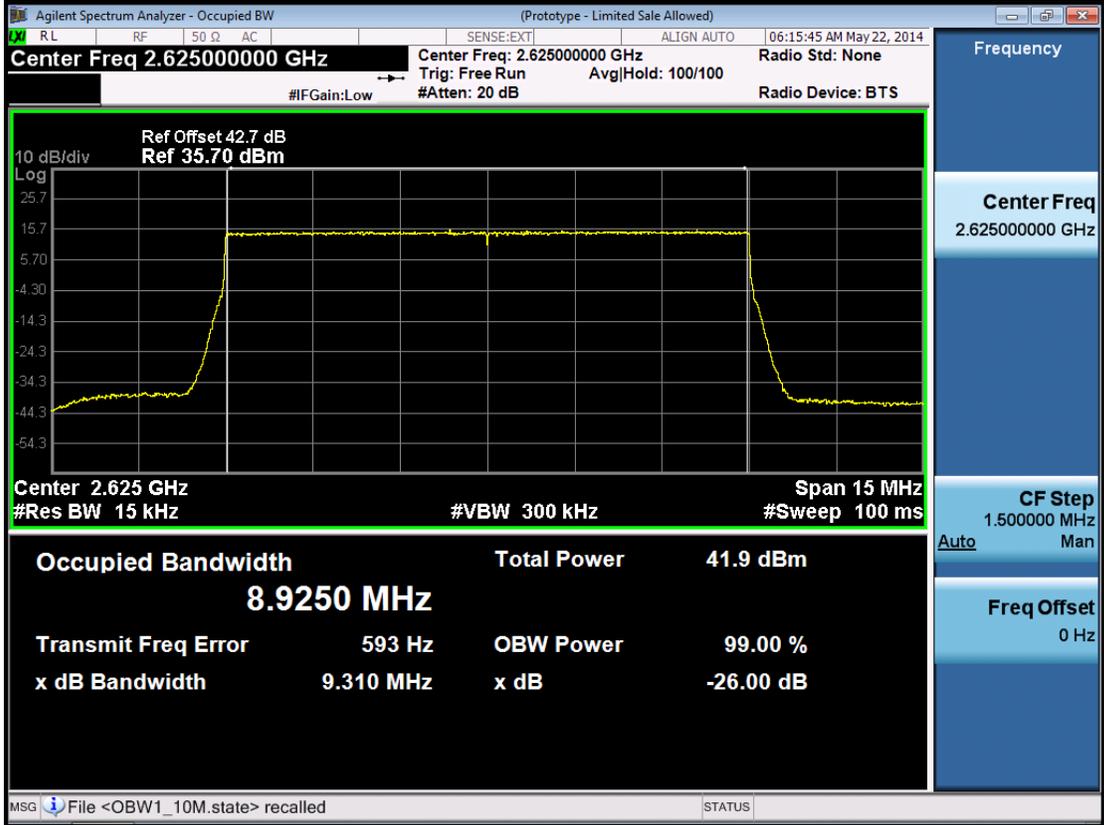
### 10M+10M -Port 1 - carry1-2655MHz



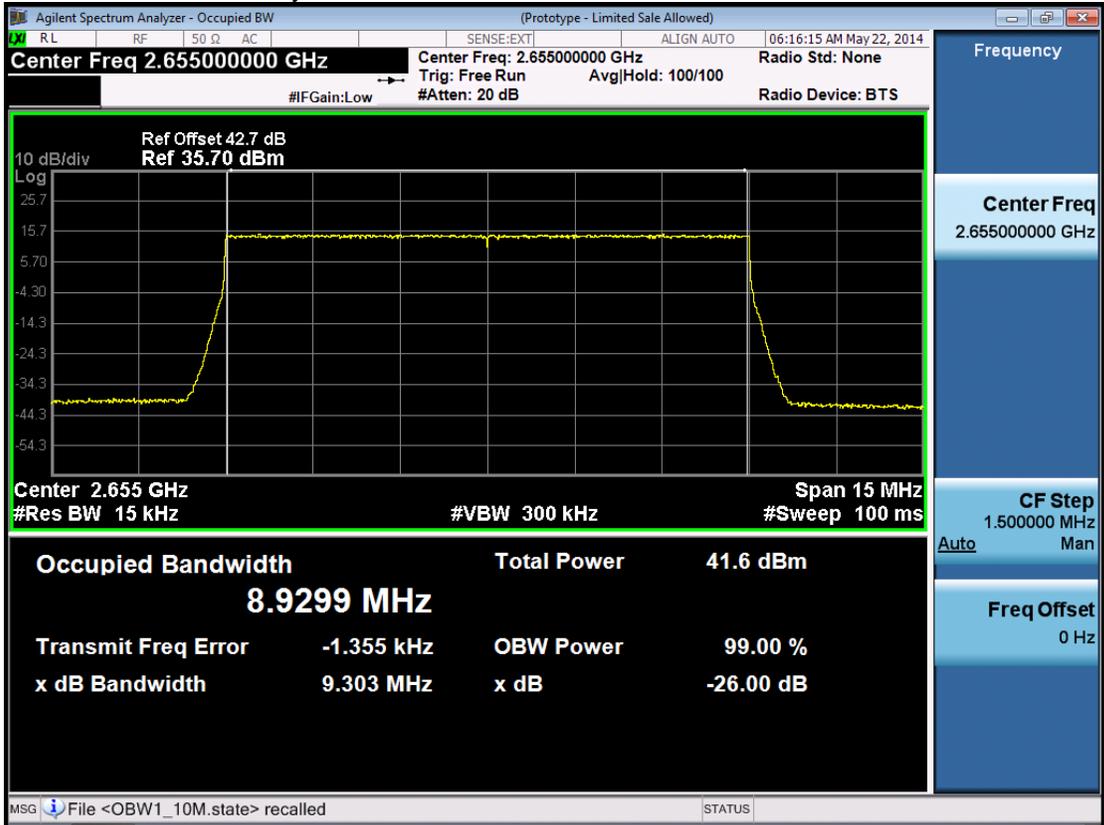
## 10M+10M -Port 1 –carry2-2685MHz



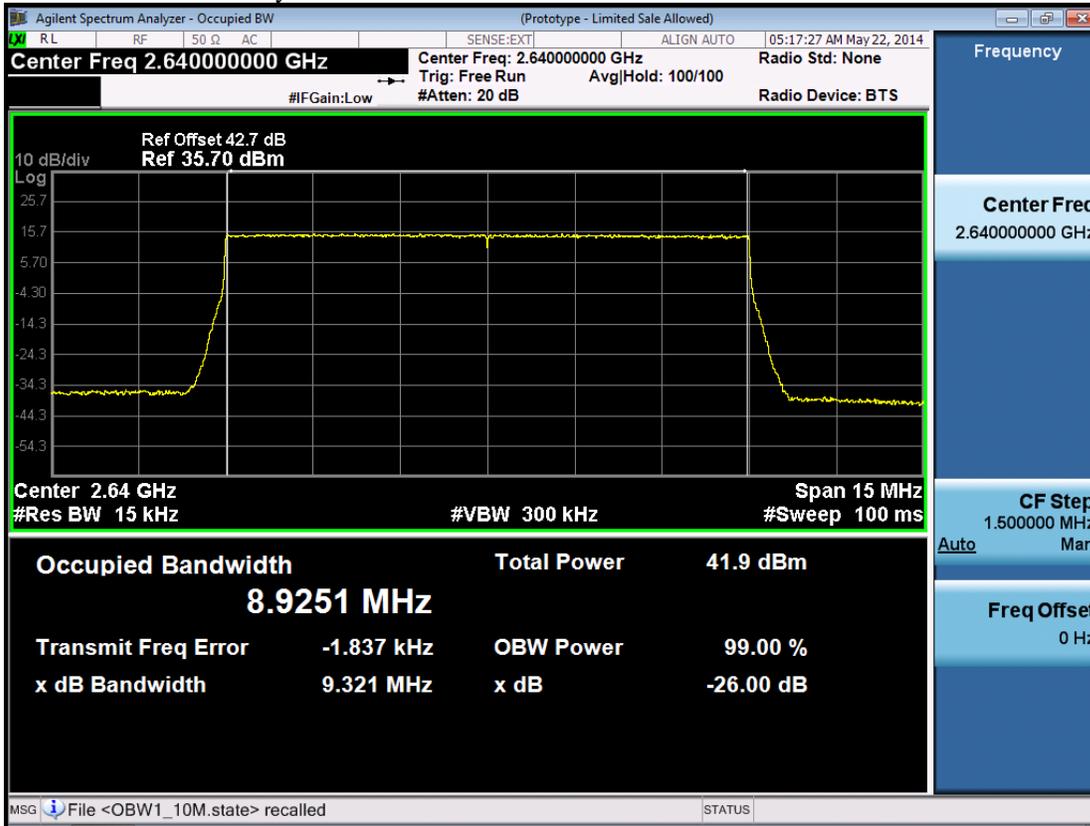
## 10M+10M -Port 2 –carry1-2625MHz



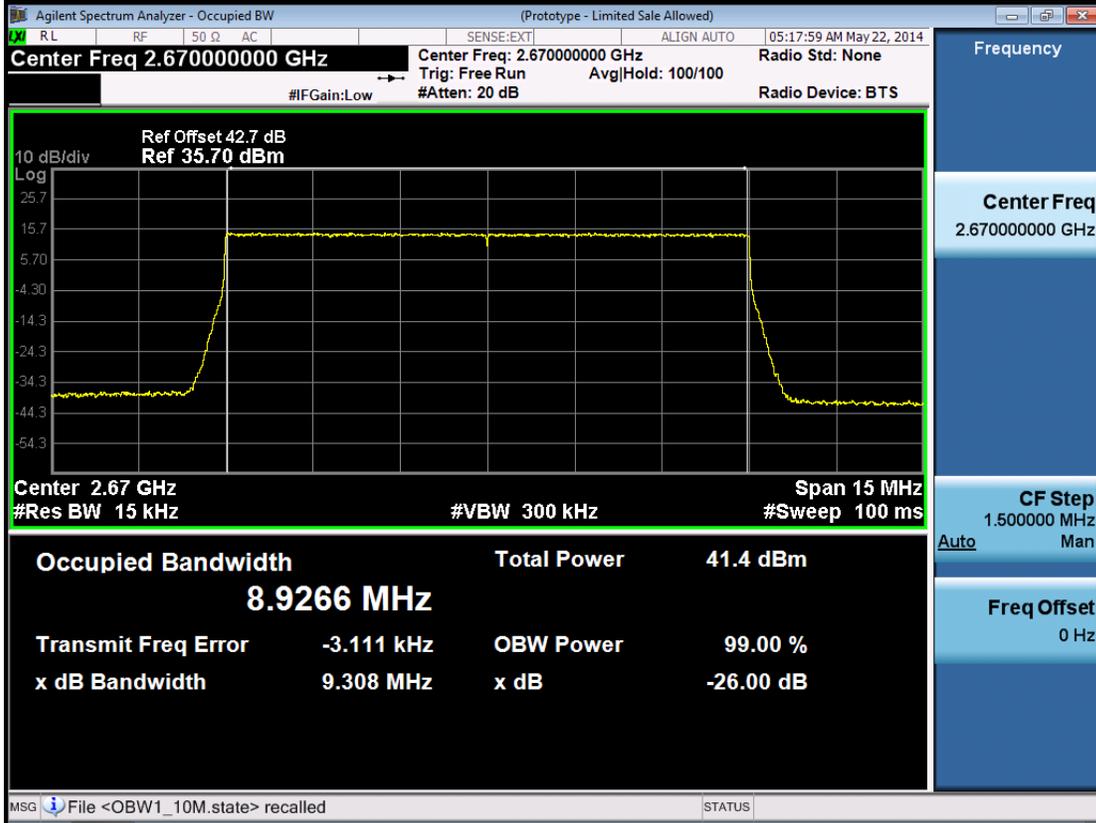
10M+10M -Port 2 -carry2-2655MHz



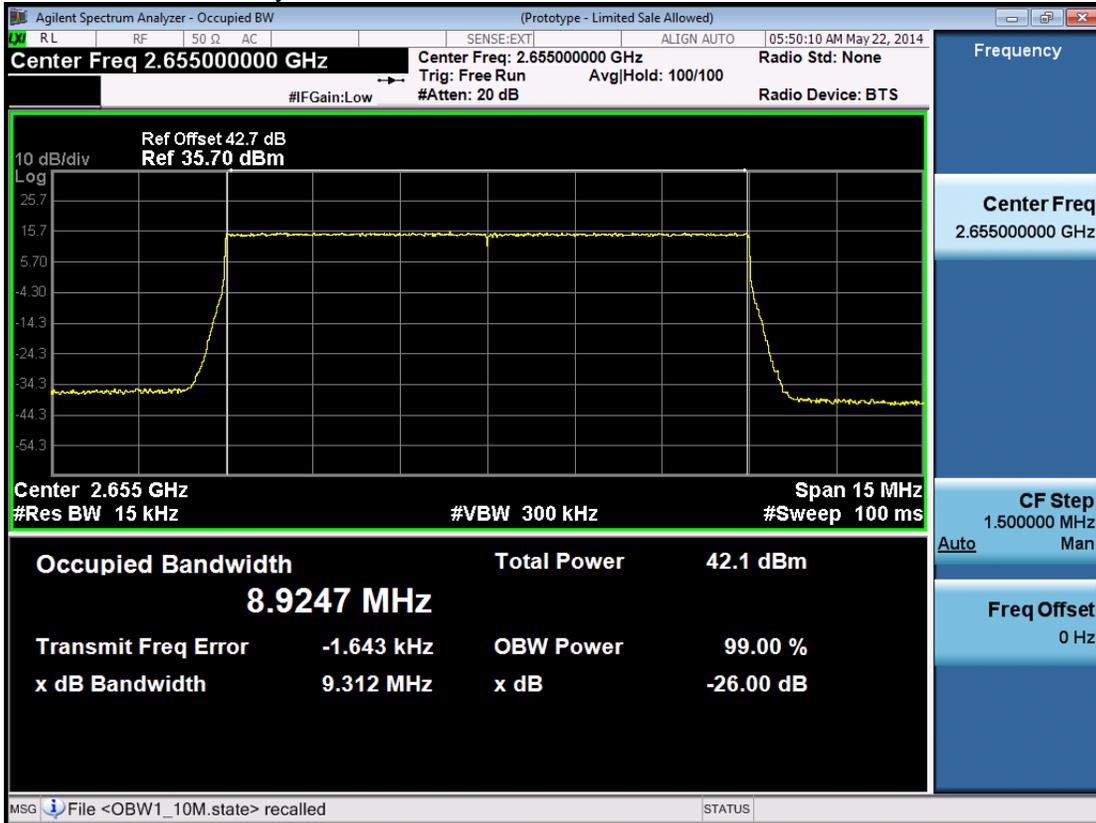
10M+10M -Port 2 - carry1-2640MHz



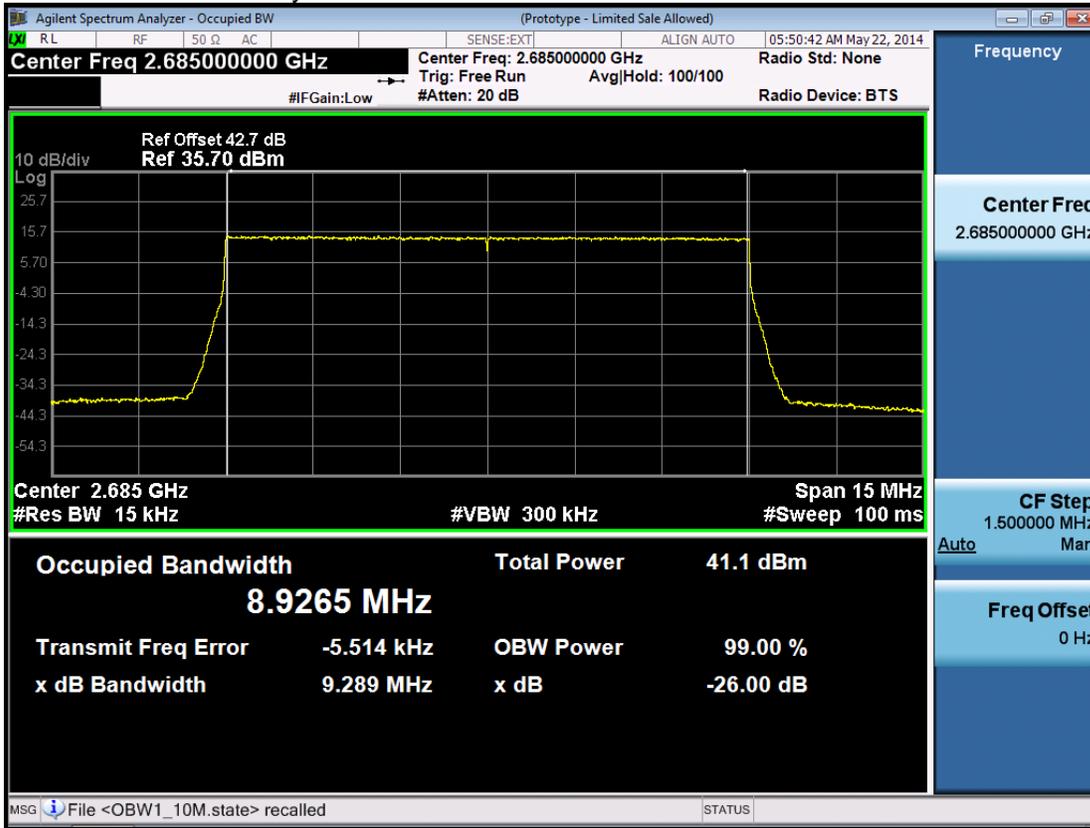
10M+10M -Port 2 -carry2-2670MHz



10M+10M -Port 2 - carry1-2655MHz



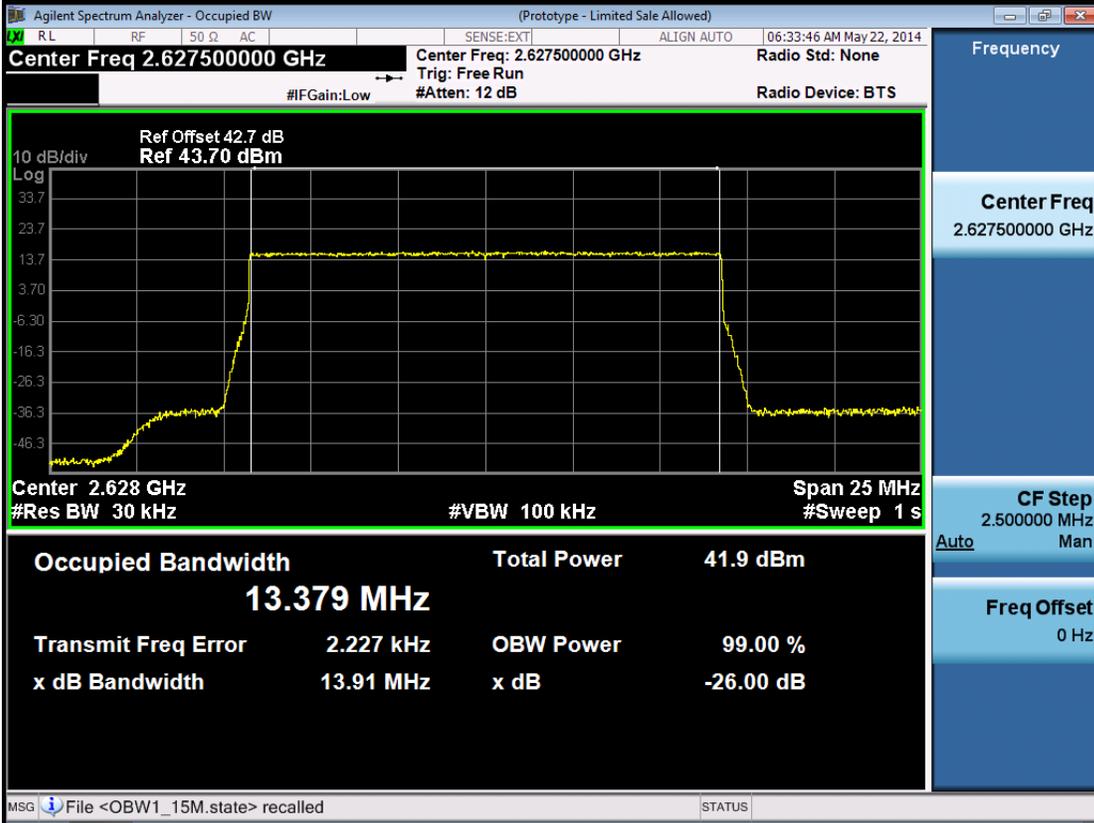
## 10M+10M -Port 2 –carry2-2685MHz



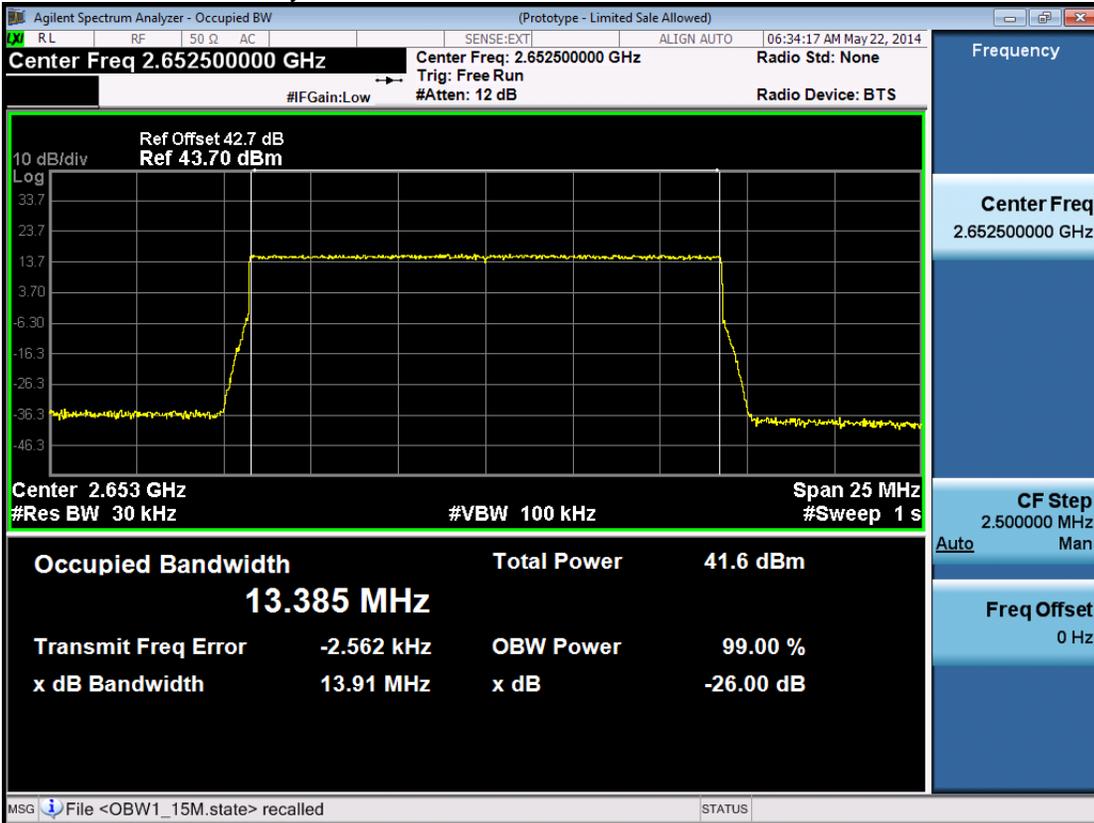
Channel Bandwidth :15M+15M

Port	Carry1 Center Freq. (MHz)	Carry1 99% Power Bandwidth (MHz)	Carry2 Center Freq. (MHz)	Carry2 99% Power Bandwidth (MHz)	Limit (MHz)
1	2627.5	13.379	2652.5	13.385	15M
	2642.5	13.385	2667.5	13.383	15M
	2657.5	13.383	2682.5	13.387	15M
2	2627.5	13.380	2652.5	13.379	15M
	2642.5	13.386	2667.5	13.382	15M
	2657.5	13.381	2682.5	13.378	15M

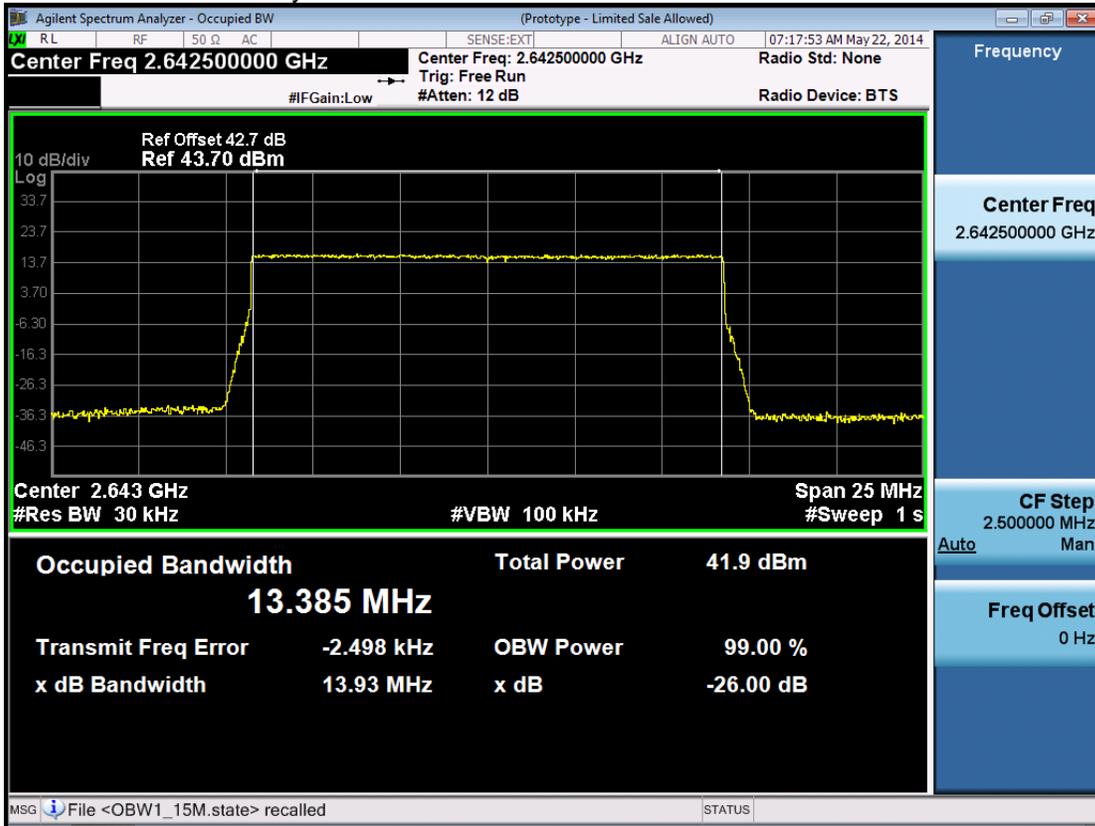
## 15M+15M -Port 1 –carry1-2627.5MHz



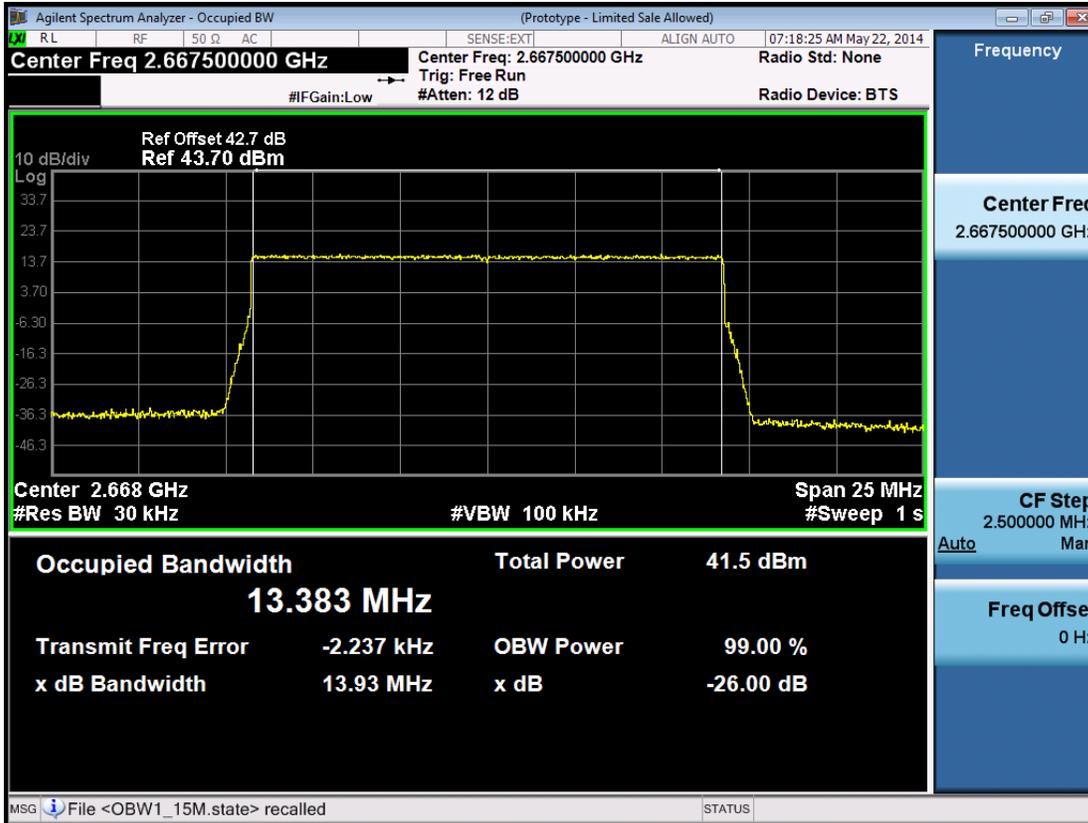
15M+15M -Port 1 -carry2-2652.5MHz



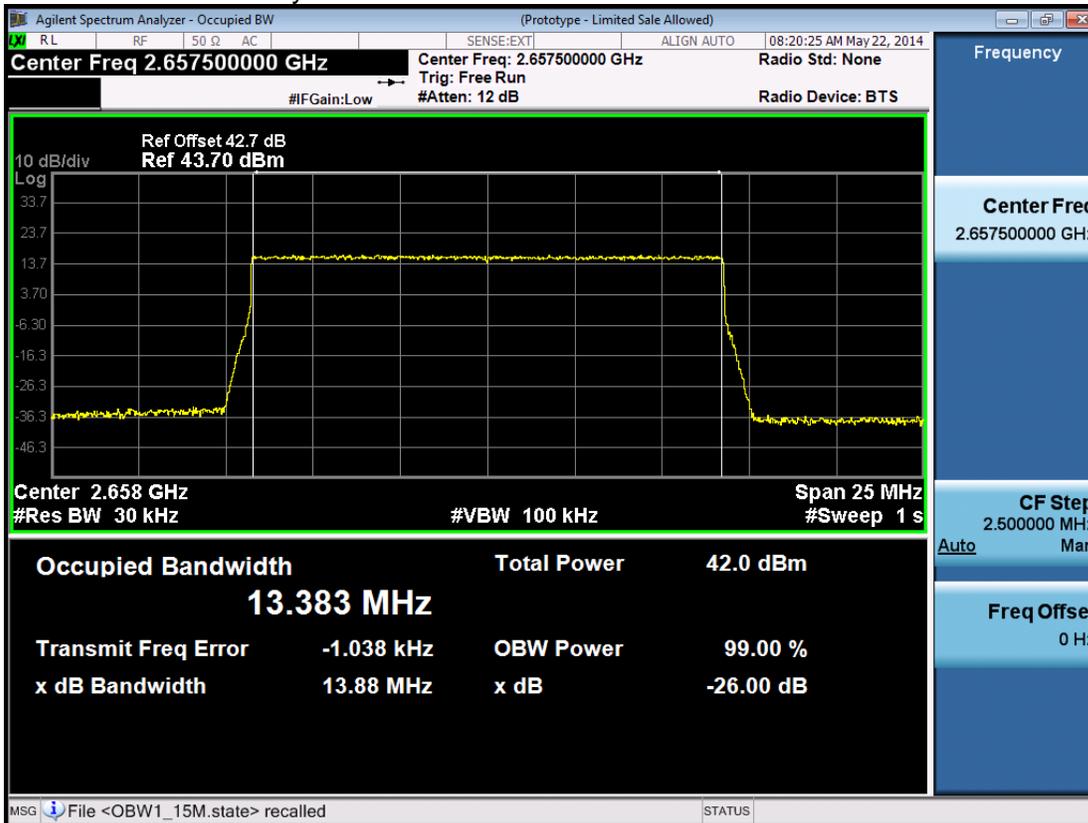
## 15M+15M -Port 1 –carry1-2642.5MHz



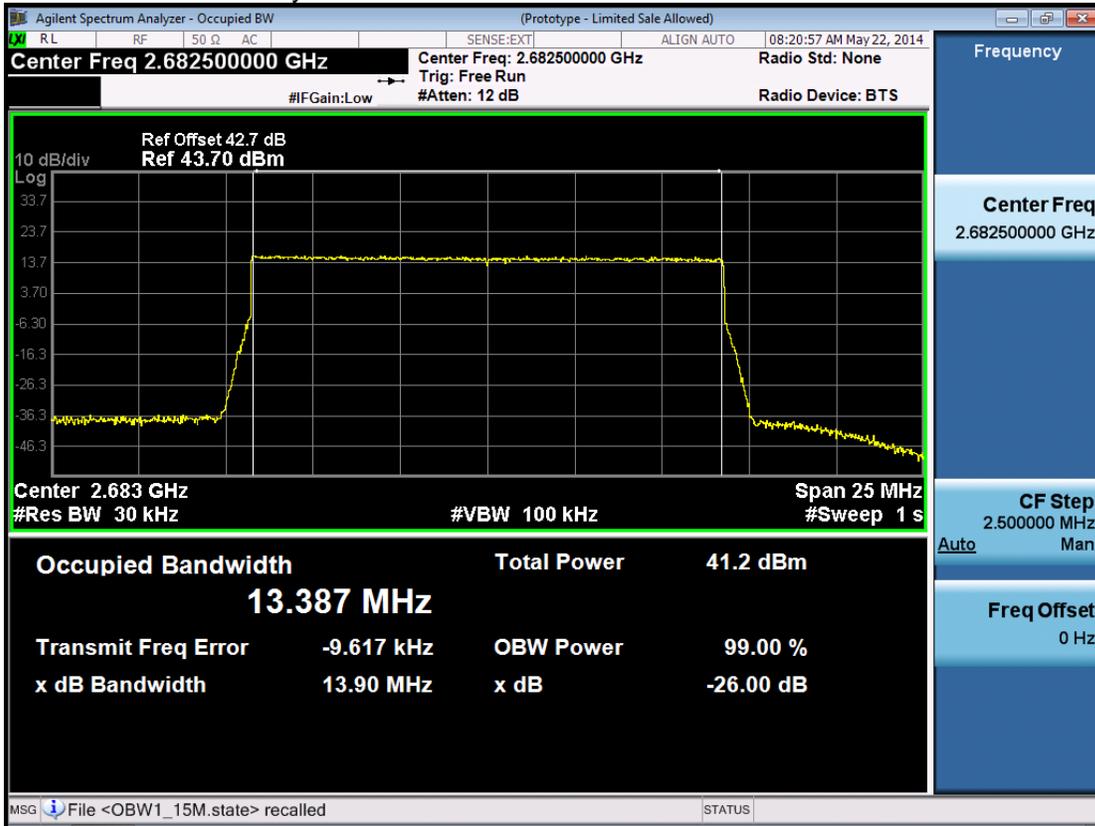
## 15M+15M -Port 1 –carry2-2667.5MHz



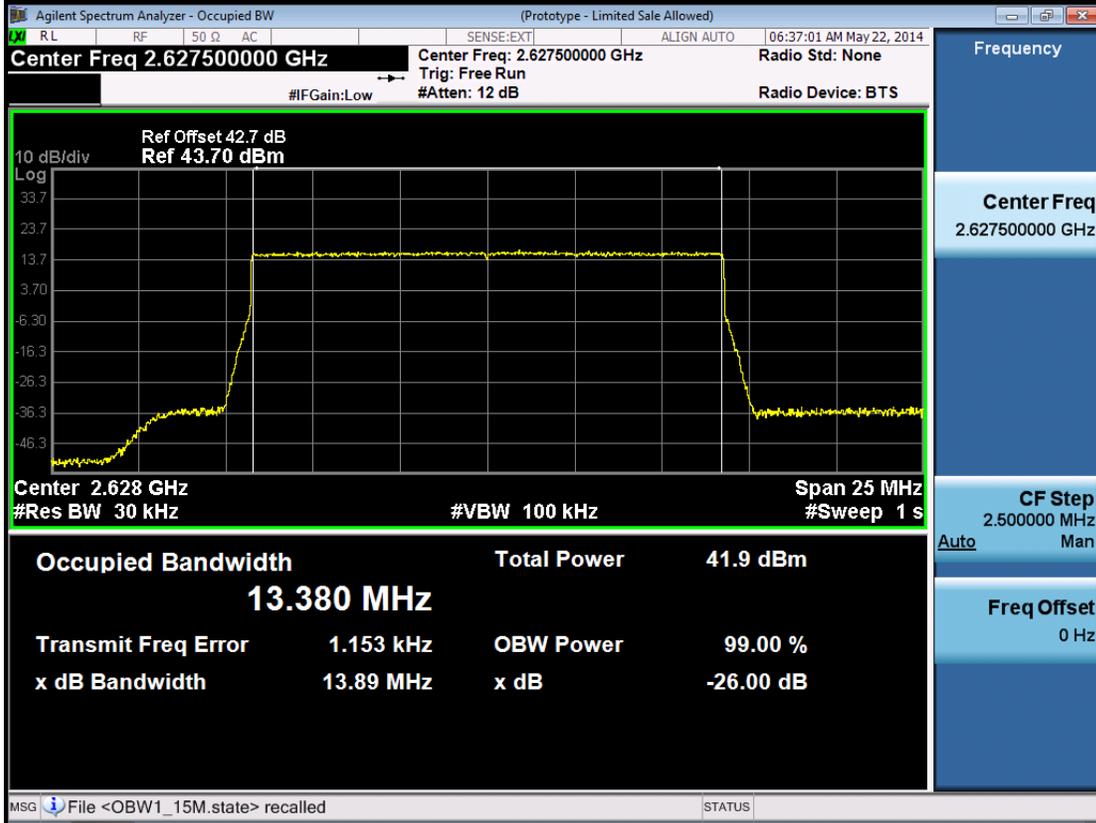
### 15M+15M -Port 1 -carry1-2657.5MHz



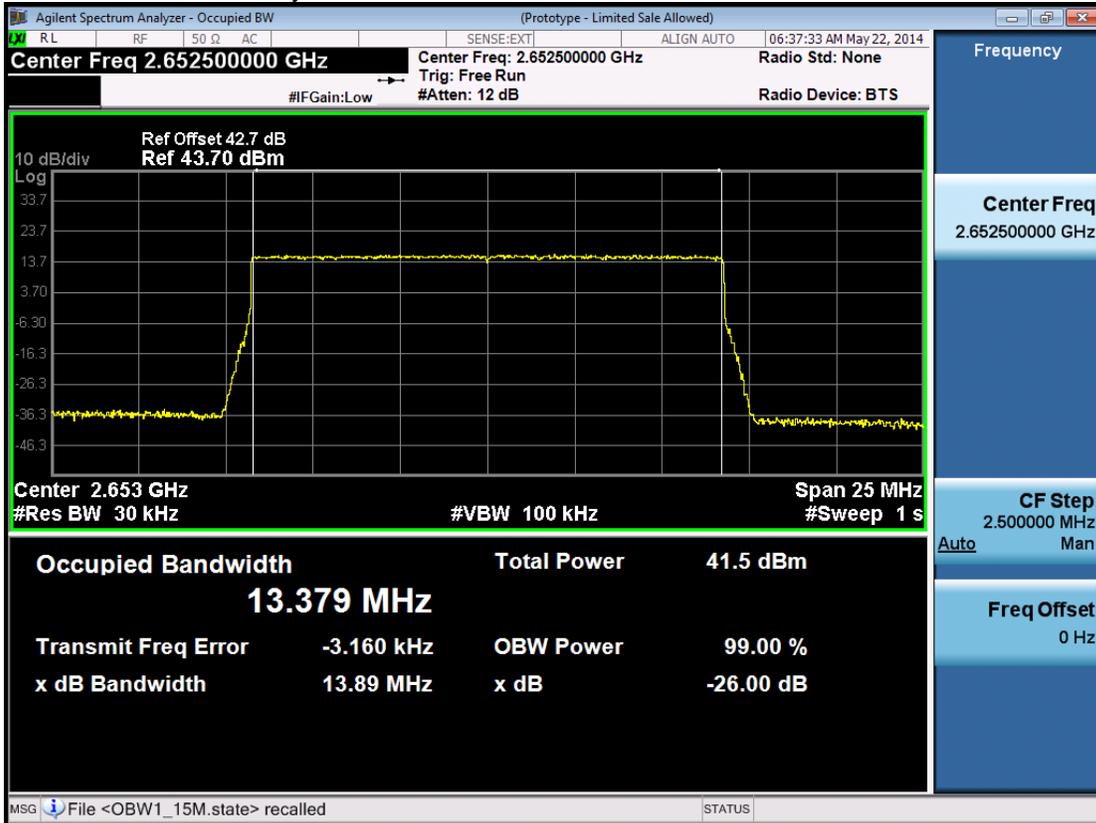
## 15M+15M -Port 1 –carry2-2682.5MHz



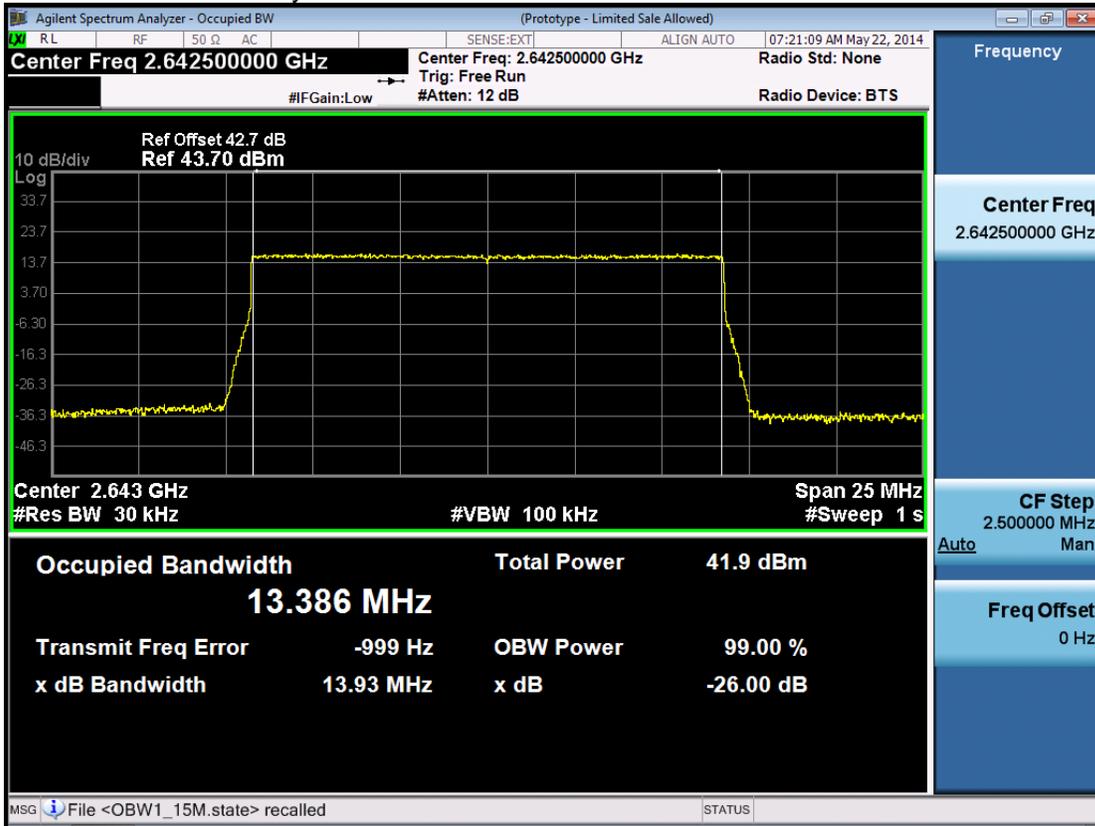
## 15M+15M -Port 2 –carry1-2627.5MHz



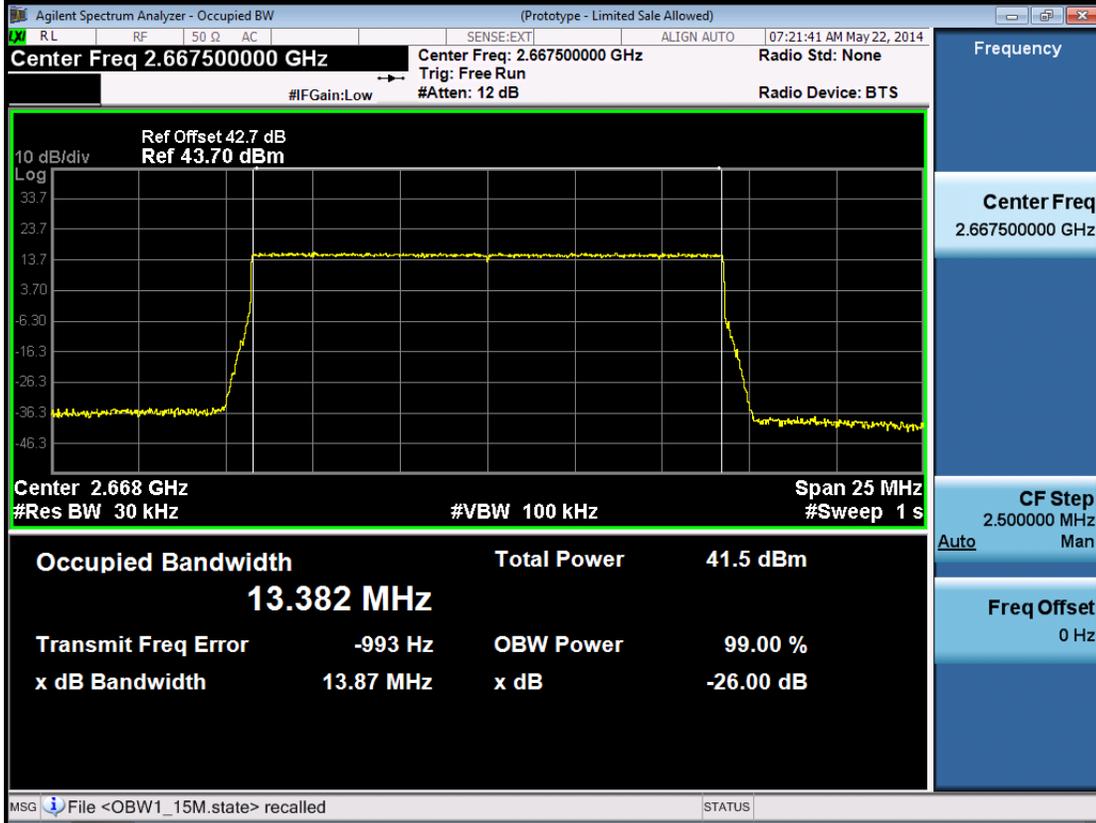
15M+15M -Port 2 -carry2-2652.5MHz



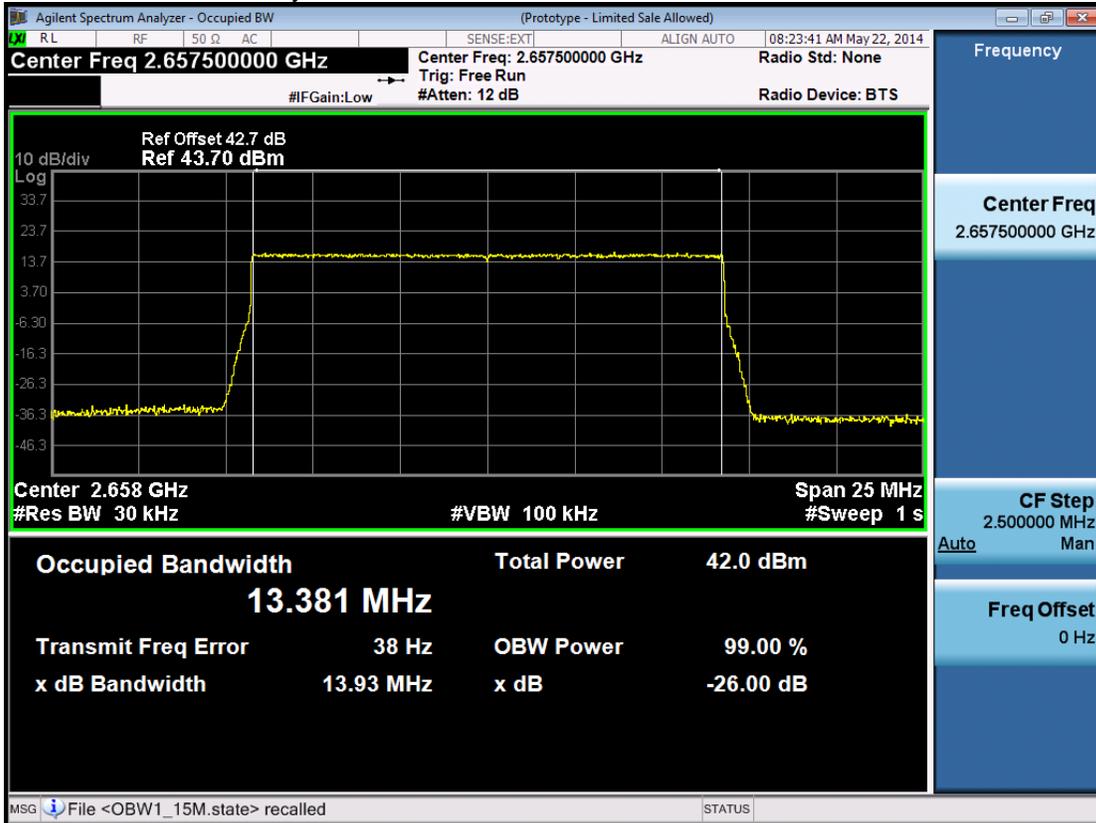
## 15M+15M -Port 2 –carry1-2642.5MHz



## 15M+15M -Port 2 –carry2-2667.5MHz



### 15M+15M -Port 2 -carry1-2657.5MHz



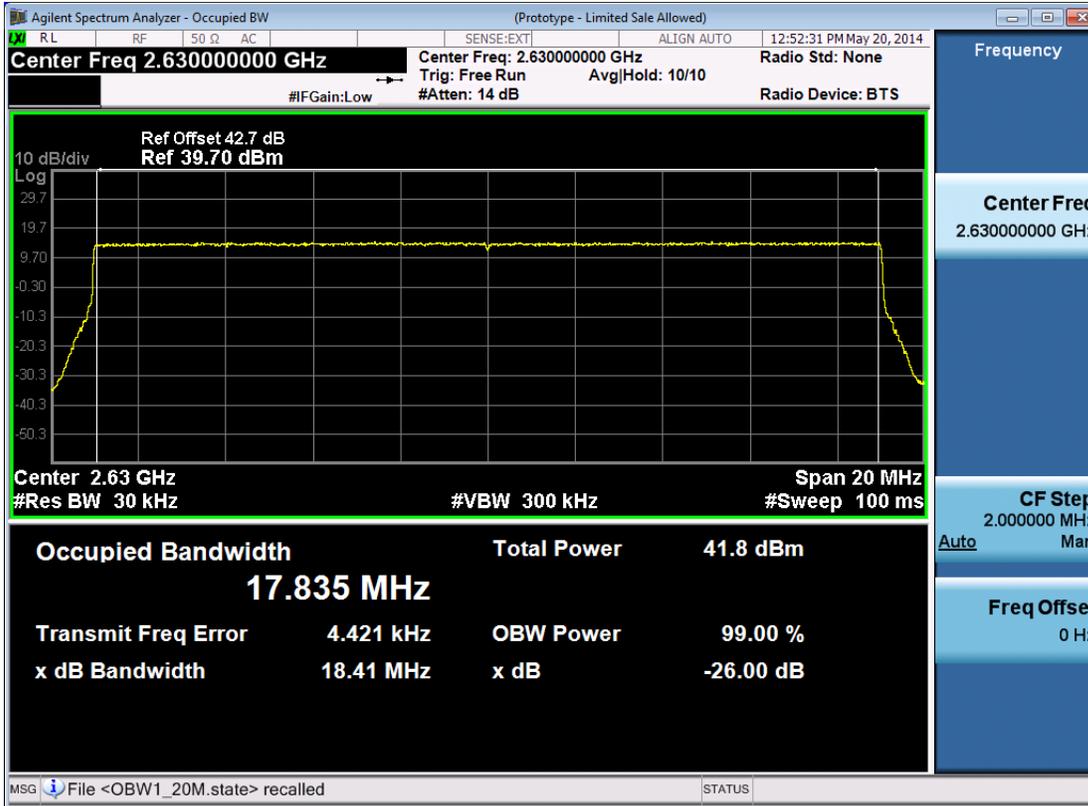
## 15M+15M -Port 2 –carry2-2682.5MHz



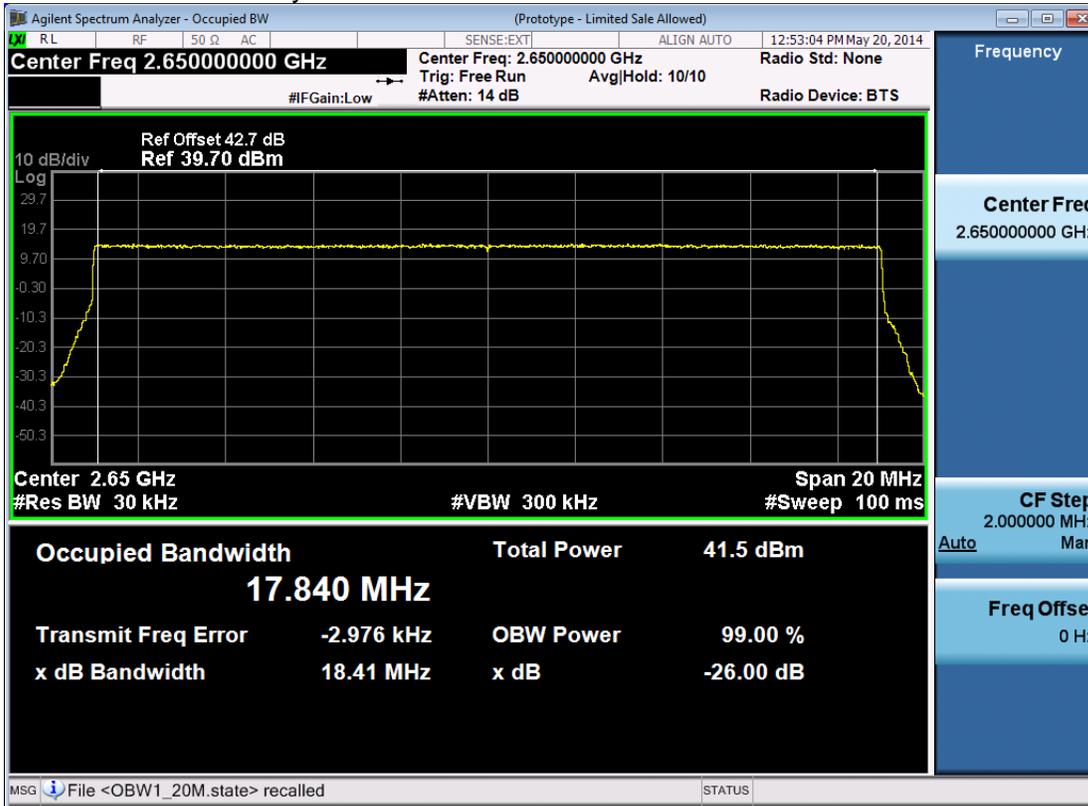
### Channel Bandwidth :20M+20M

Port	Carry1 Center Freq. (MHz)	Carry1 99% Power Bandwidth (MHz)	Carry2 Center Freq. (MHz)	Carry2 99% Power Bandwidth (MHz)	Limit (MHz)
1	2630	17.835	2650	17.840	20M
	2645	17.842	2665	17.845	20M
	2660	17.840	2680	17.835	20M
2	2630	17.837	2650	17.843	20M
	2645	17.842	2665	17.842	20M
	2660	17.837	2680	17.837	20M

## 20M+20M -Port 1 –carry1-2630MHz



20M+20M -Port 1 -carry2-2650MHz



20M+20M -Port 1 -carry1-2645MHz