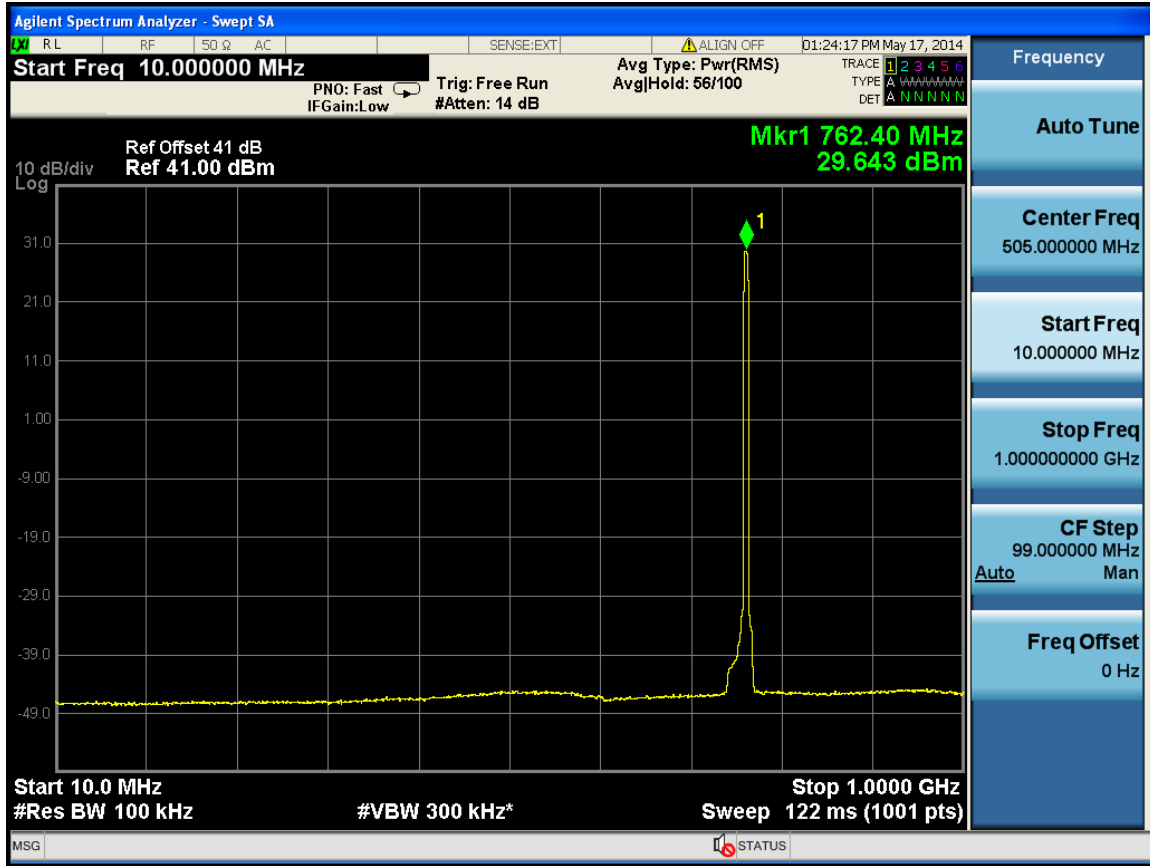
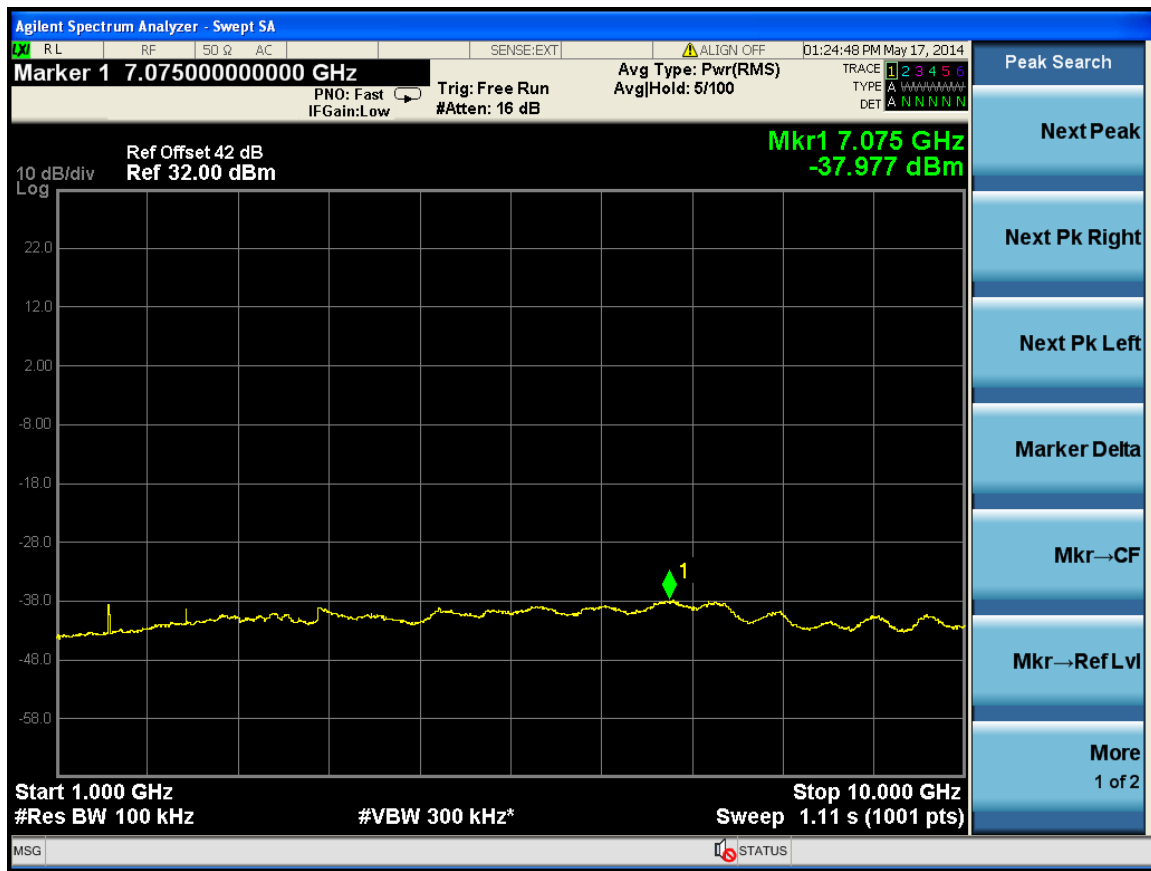
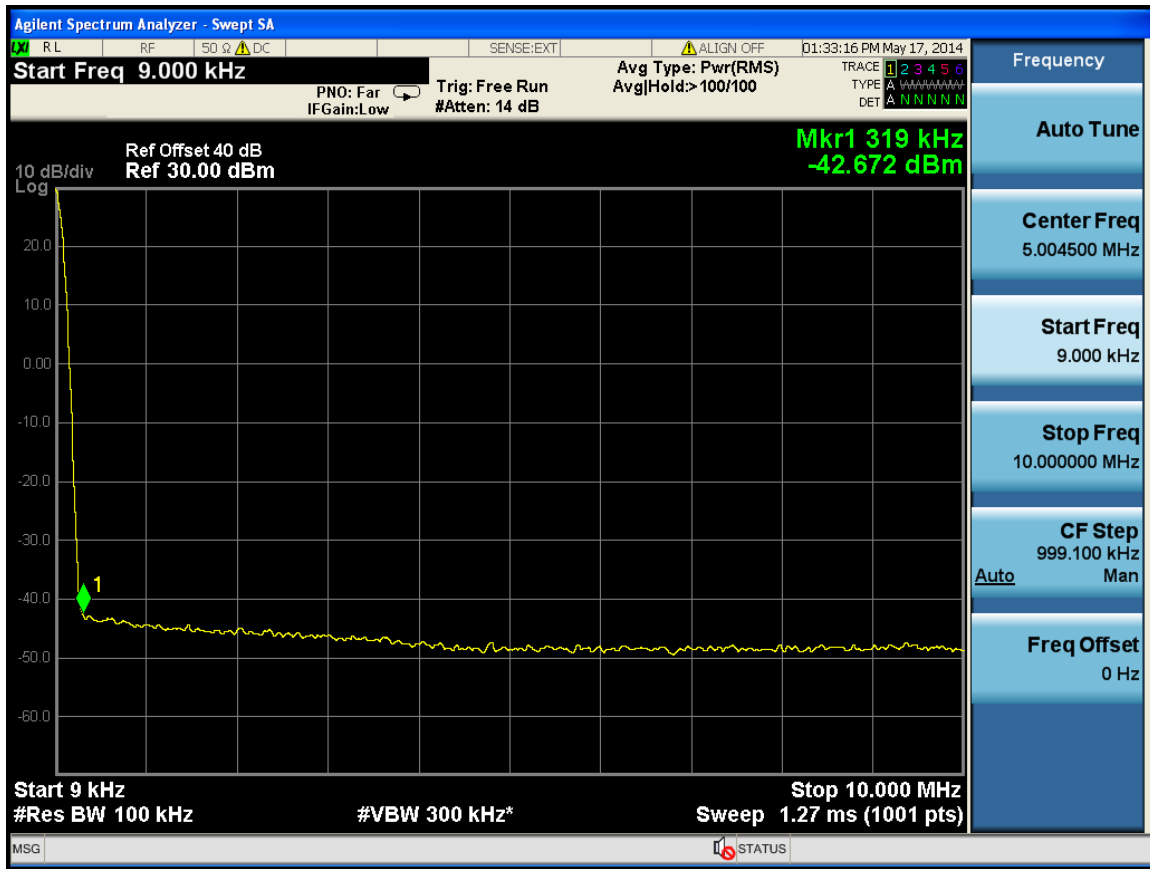
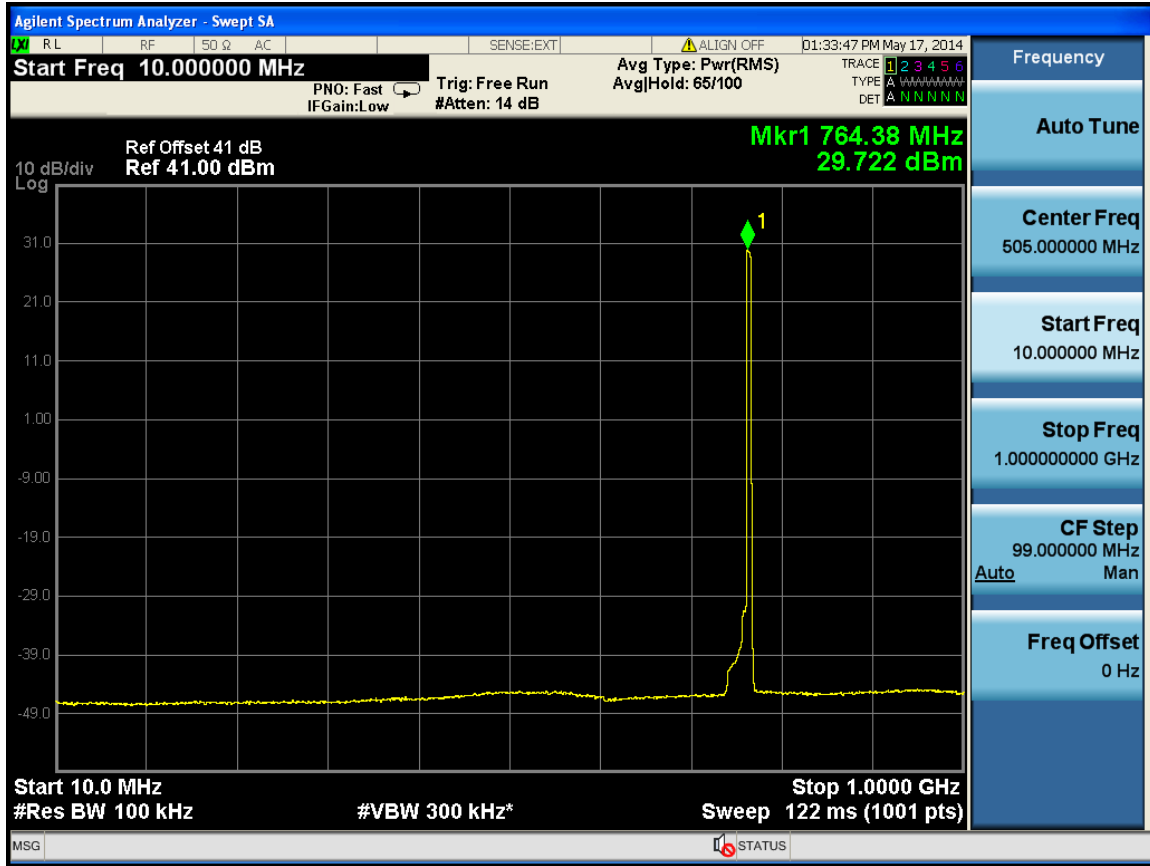


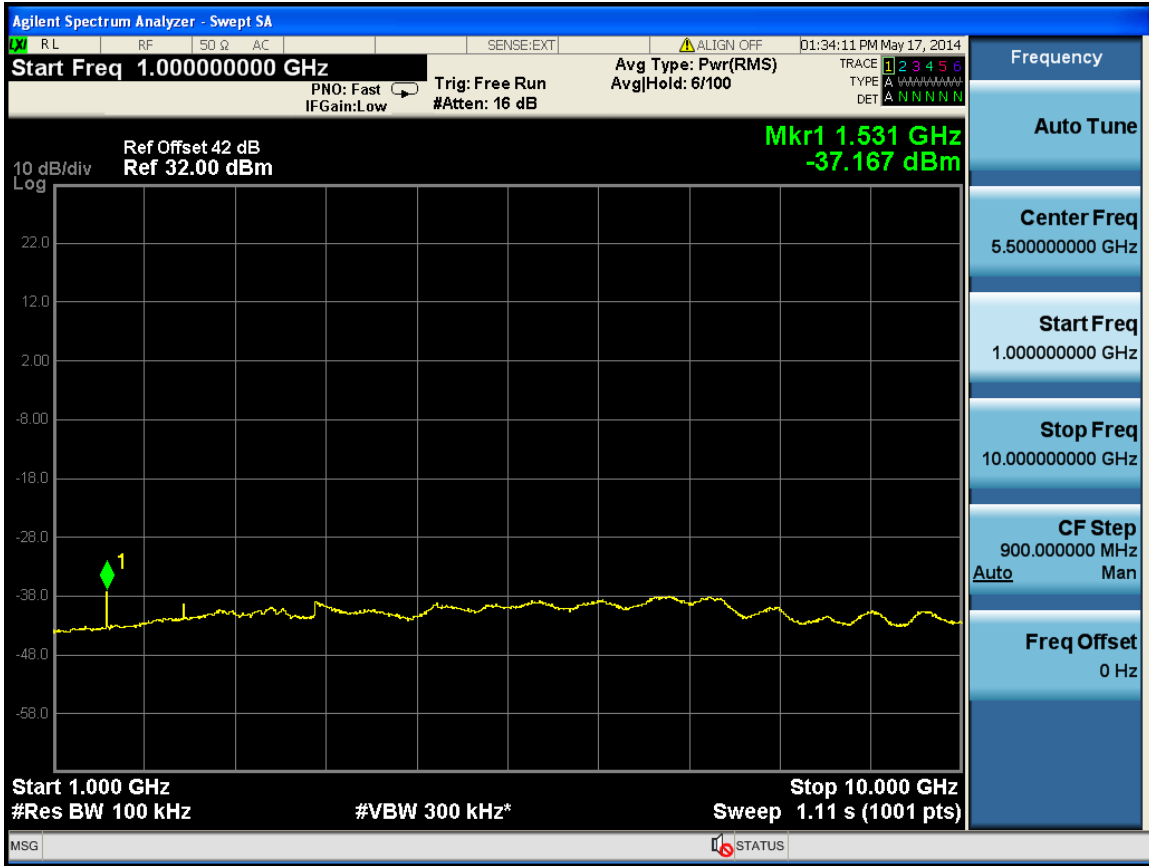




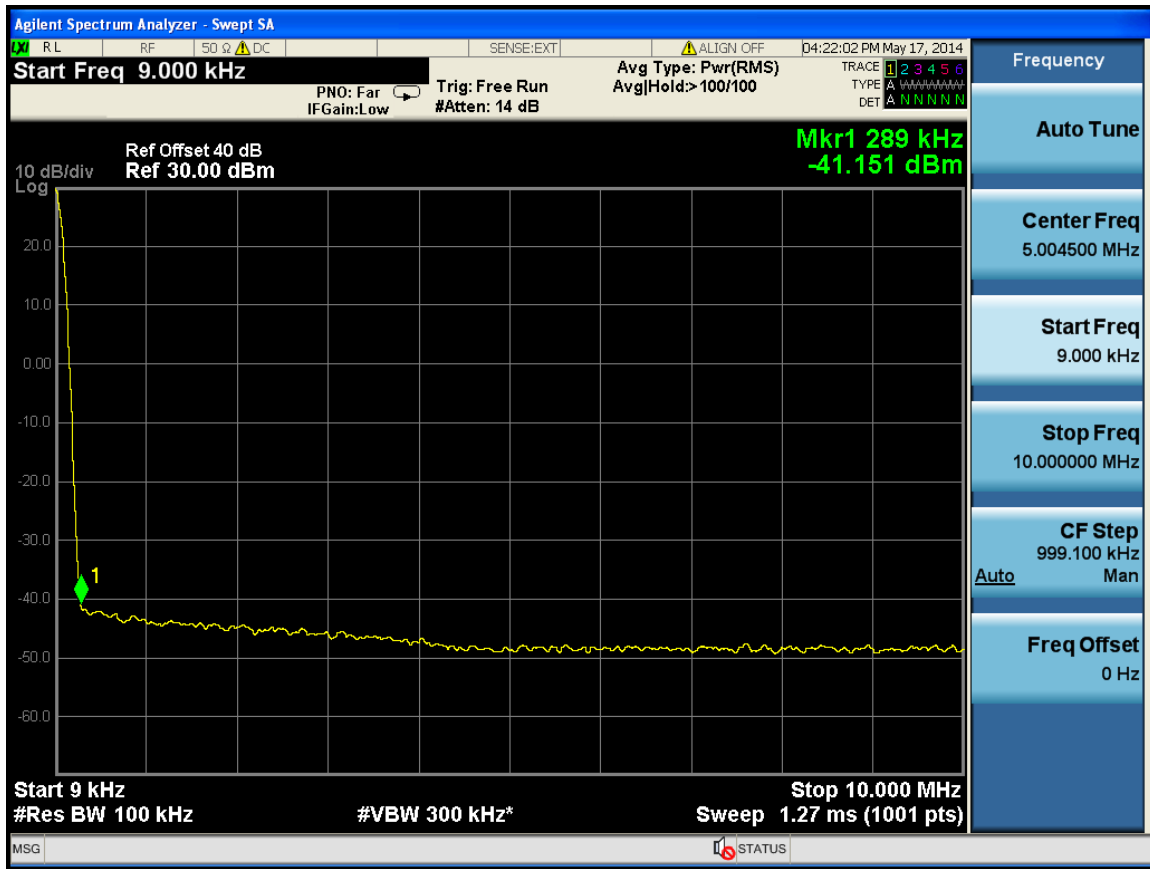
5M -Port 1 -765.51MHz

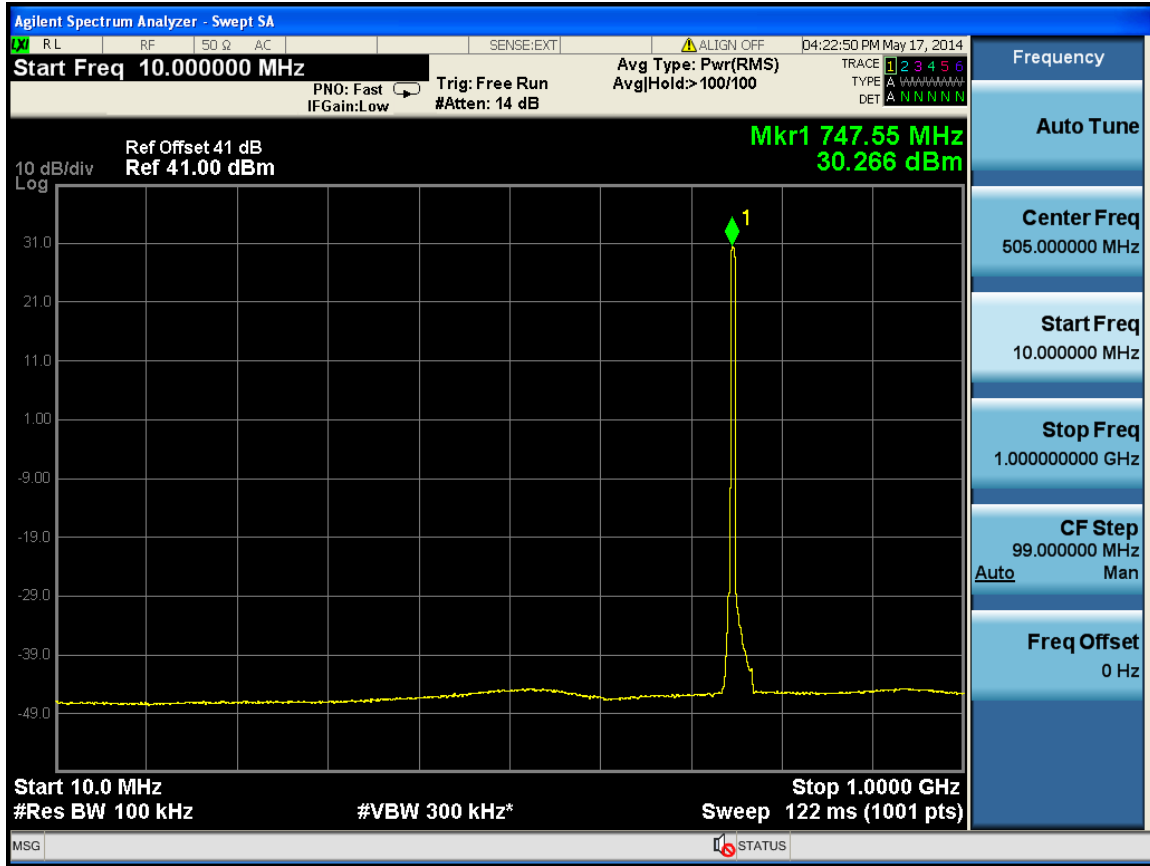


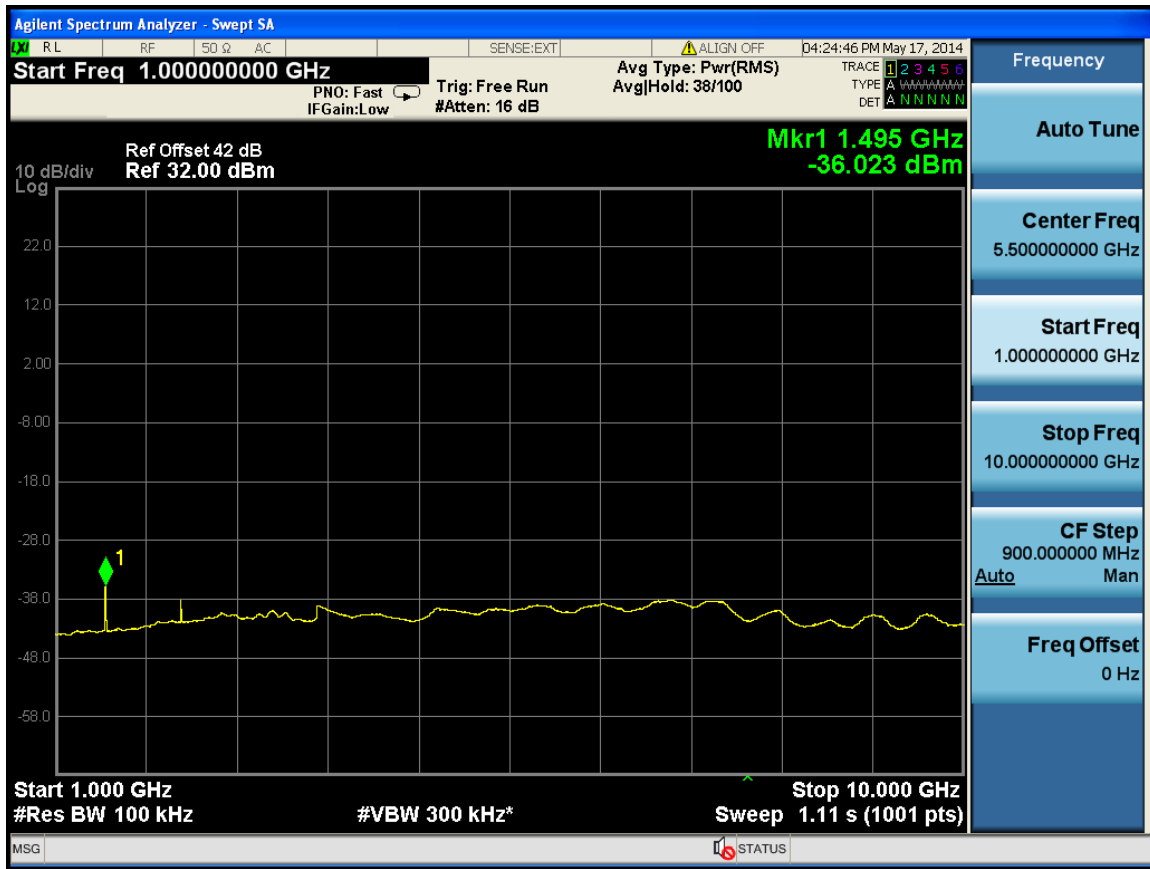




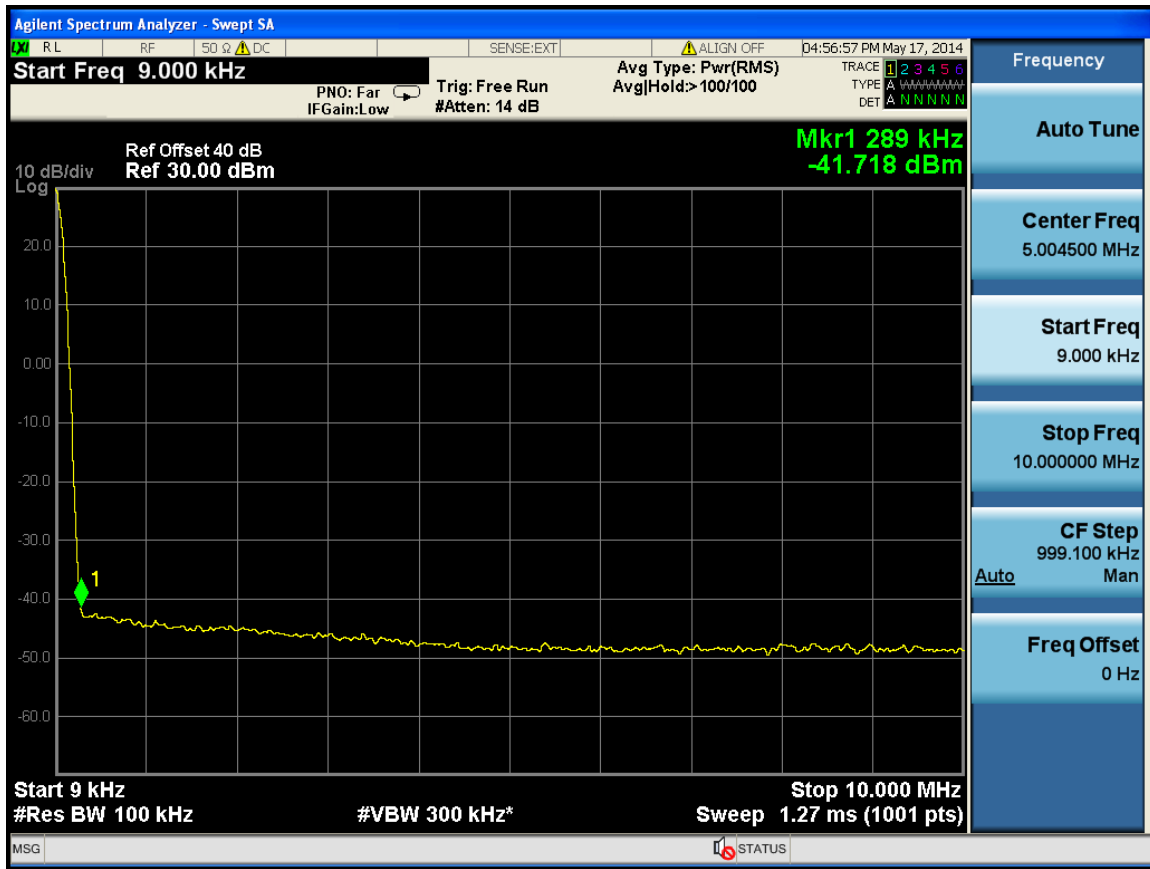
5M -Port 2 -748.5MHz

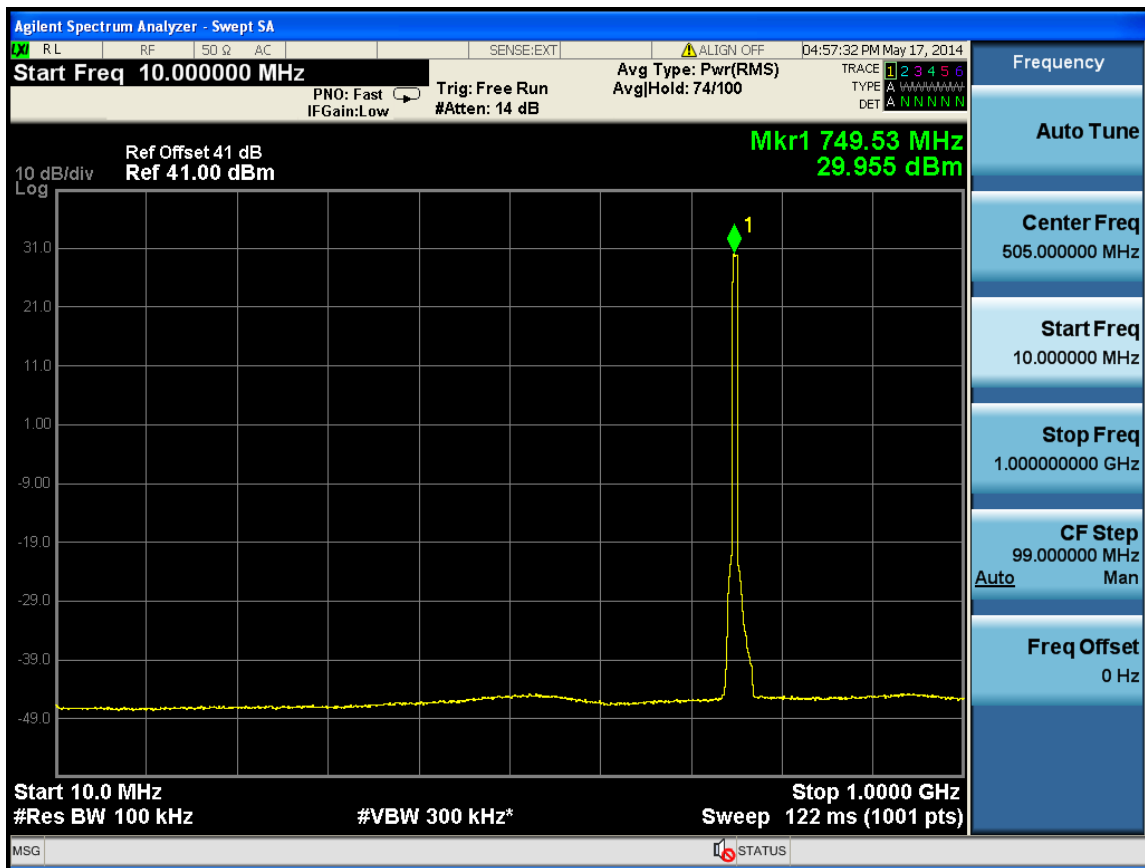


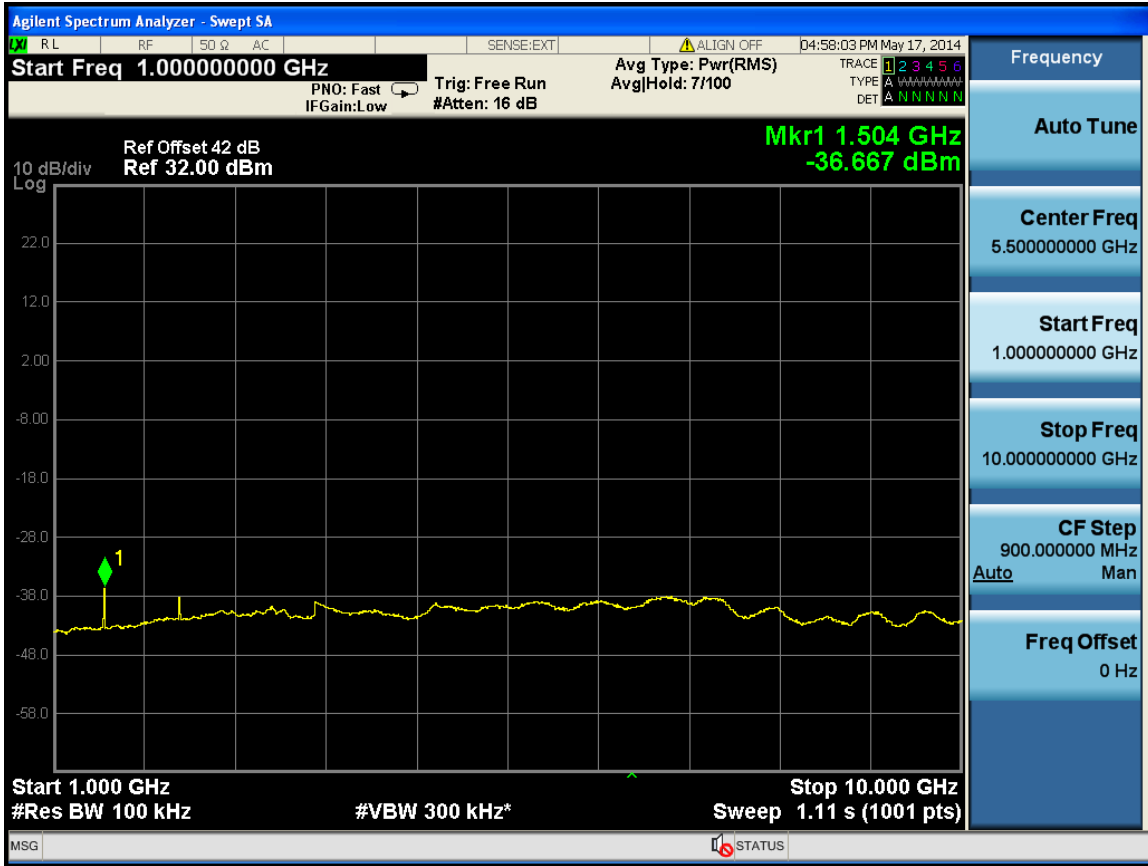




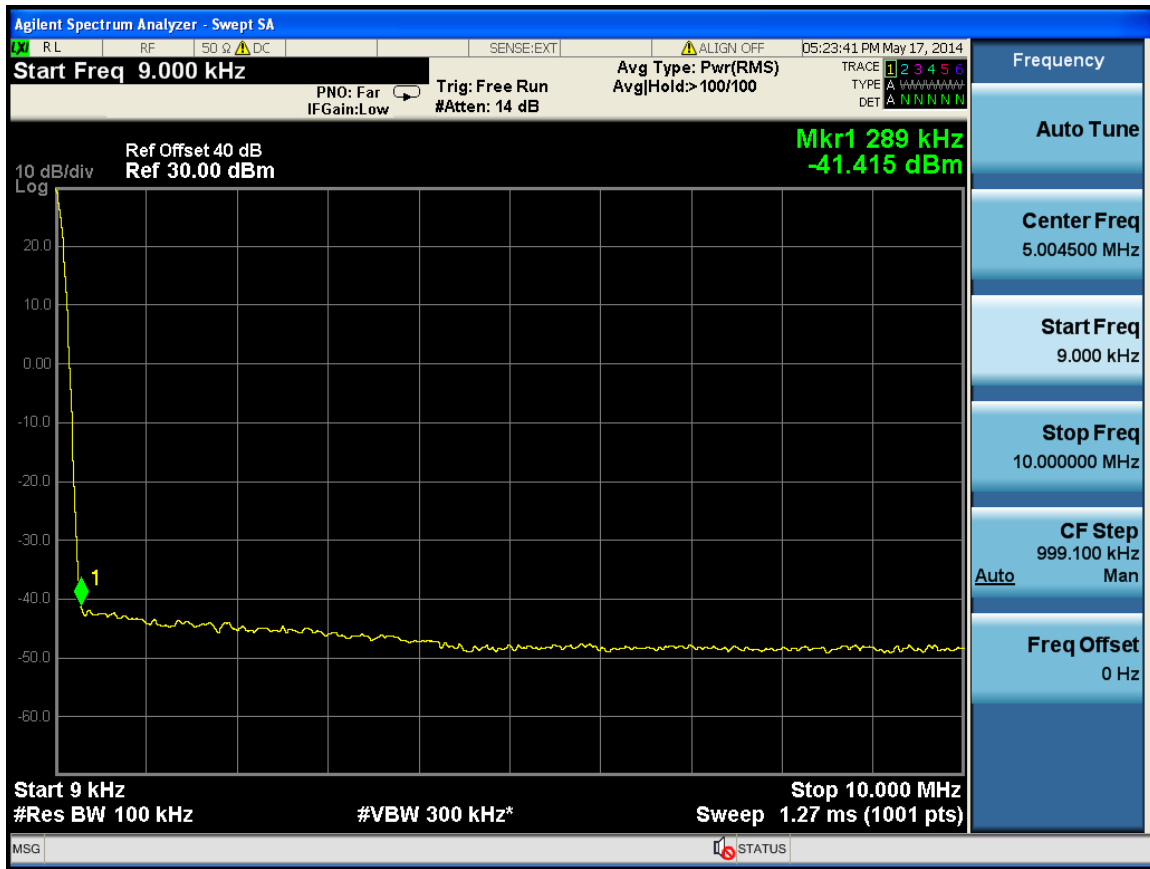
5M -Port 2 -751MHz

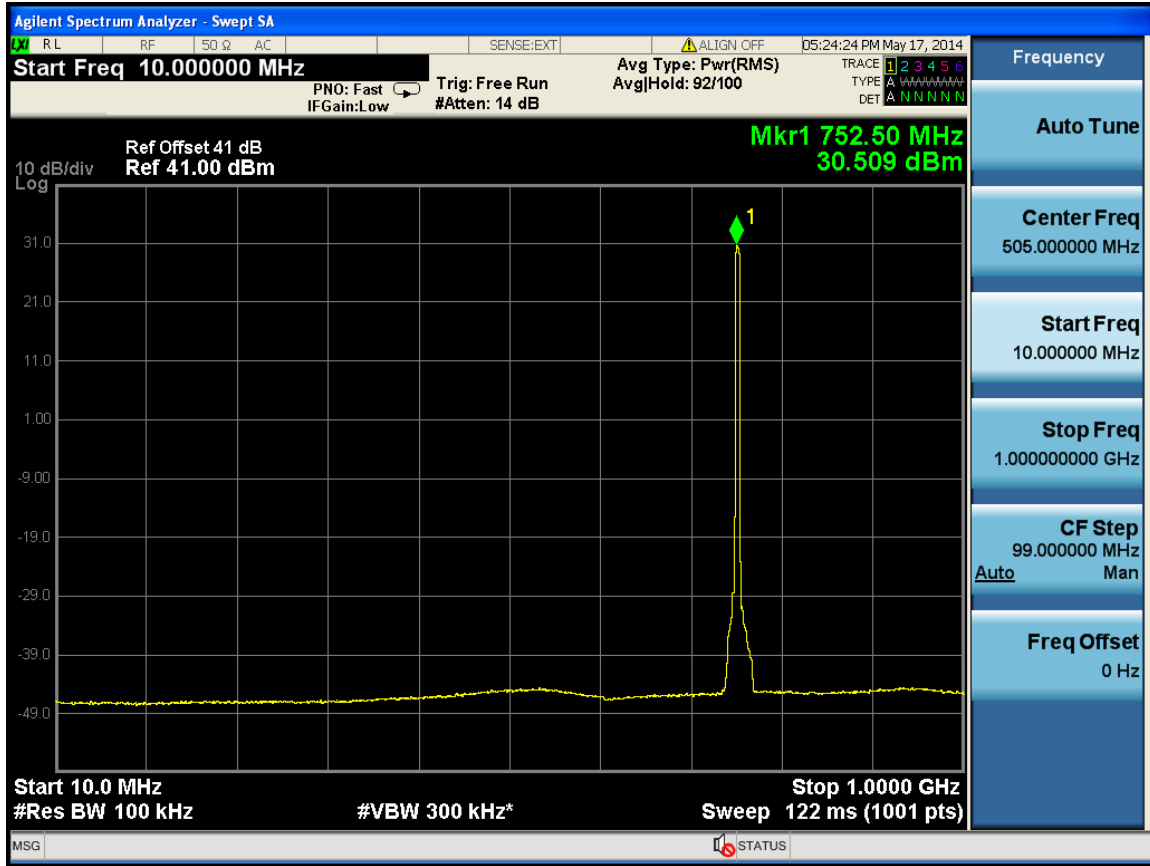






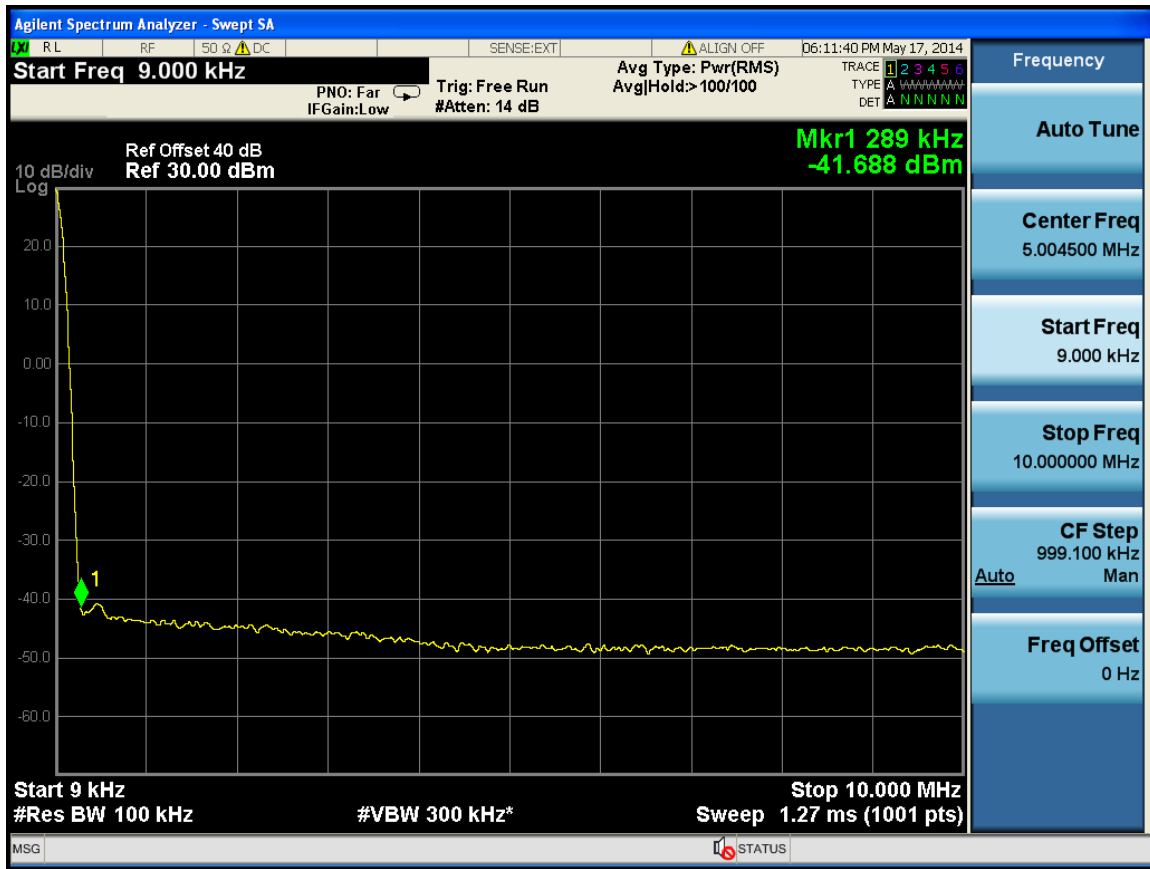
5M -Port 2 -753.5MHz

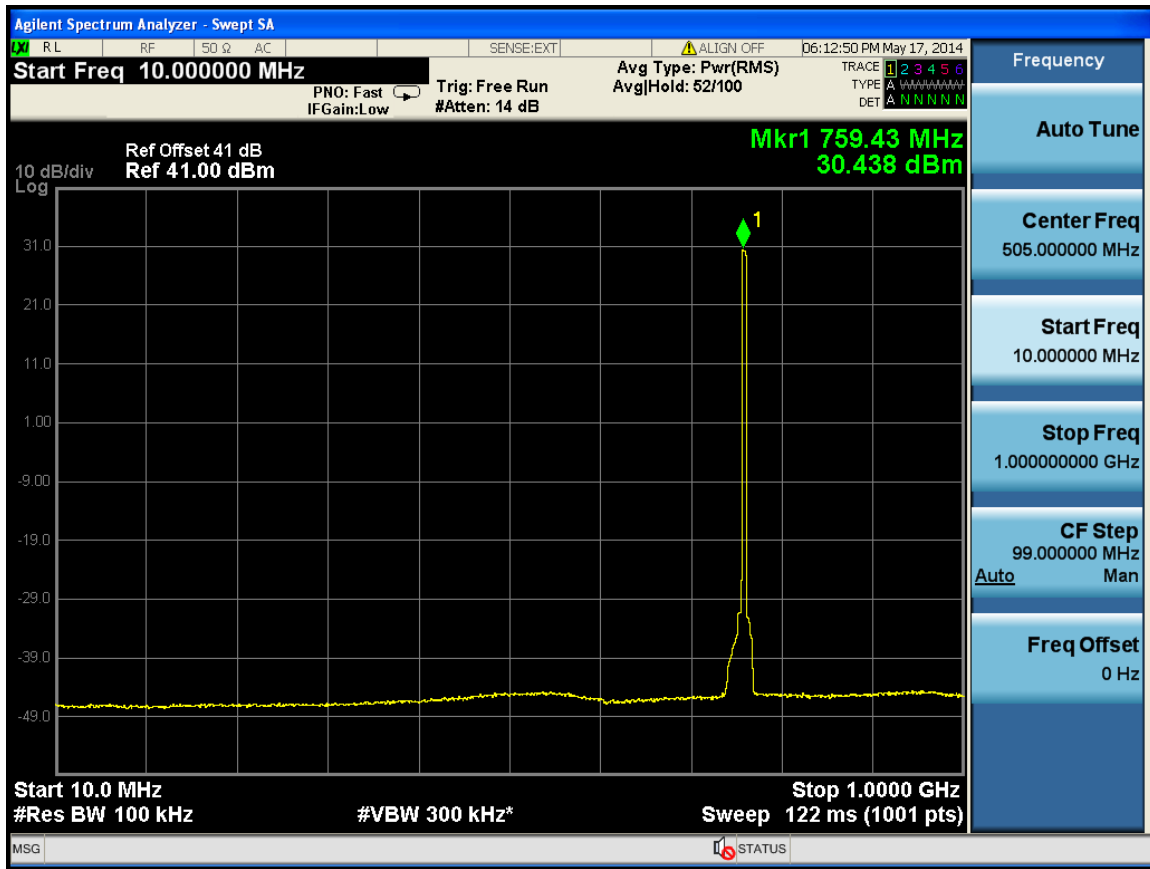


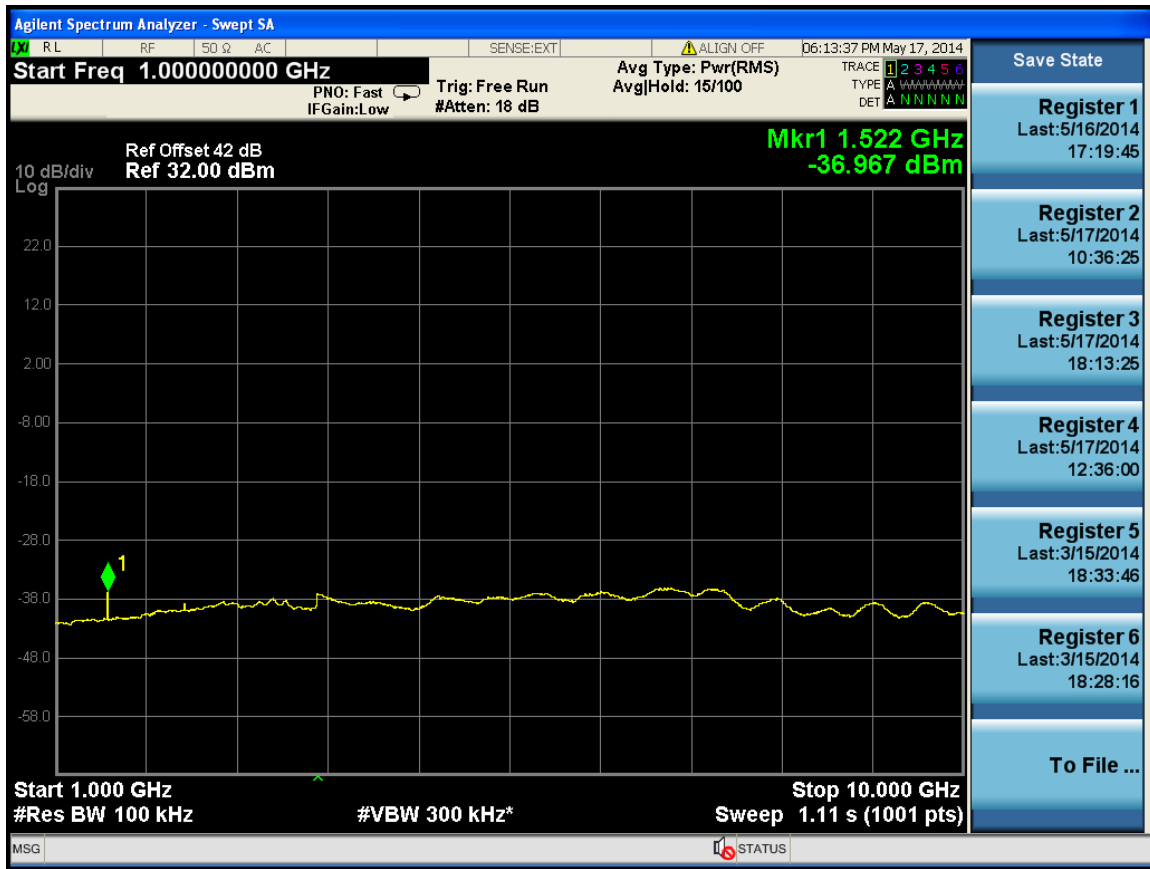




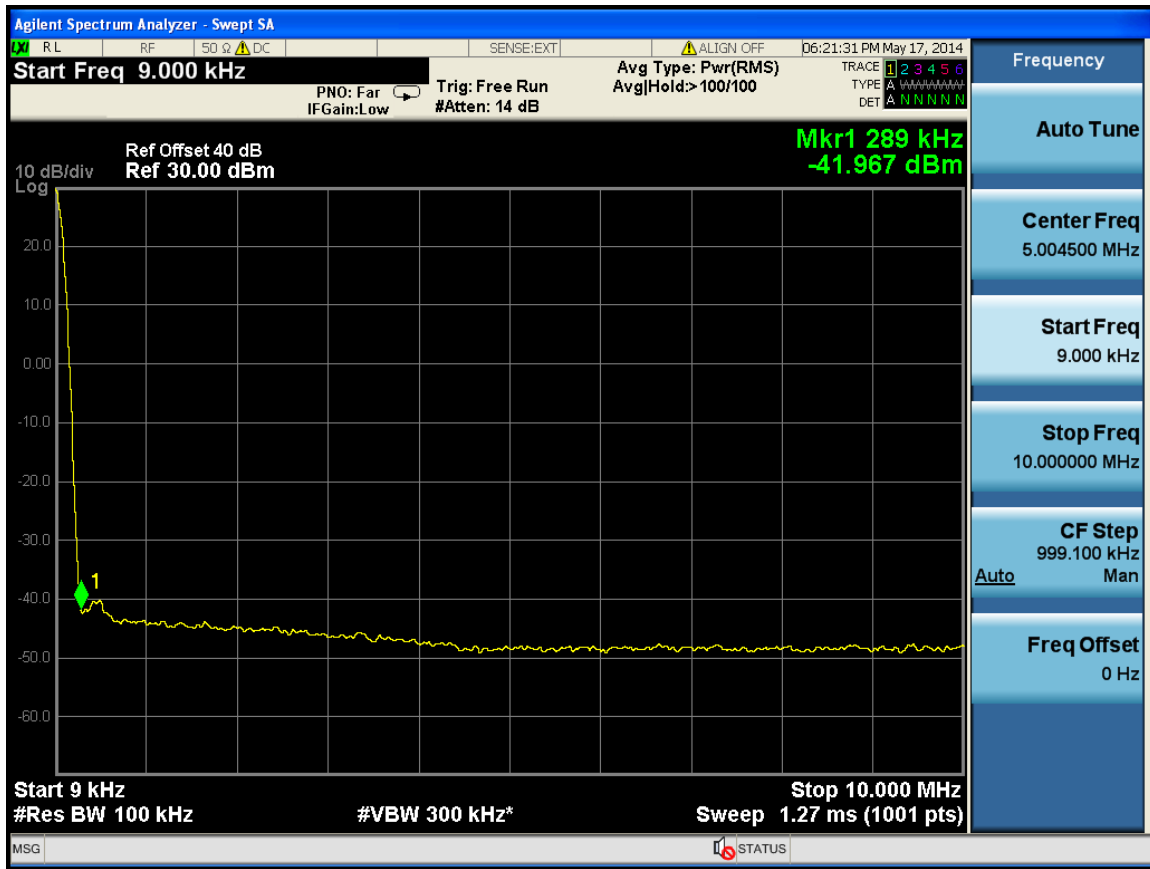
5M -Port 2 -760.5MHz

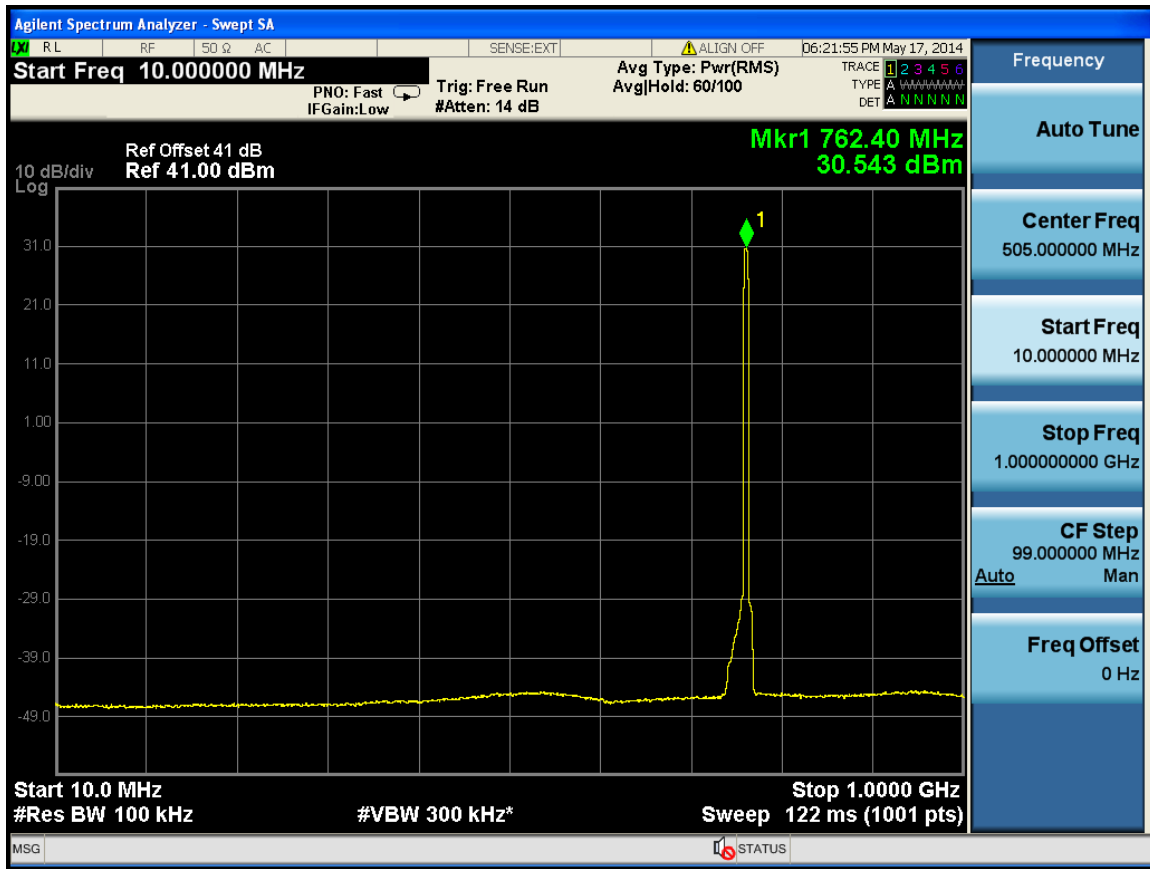


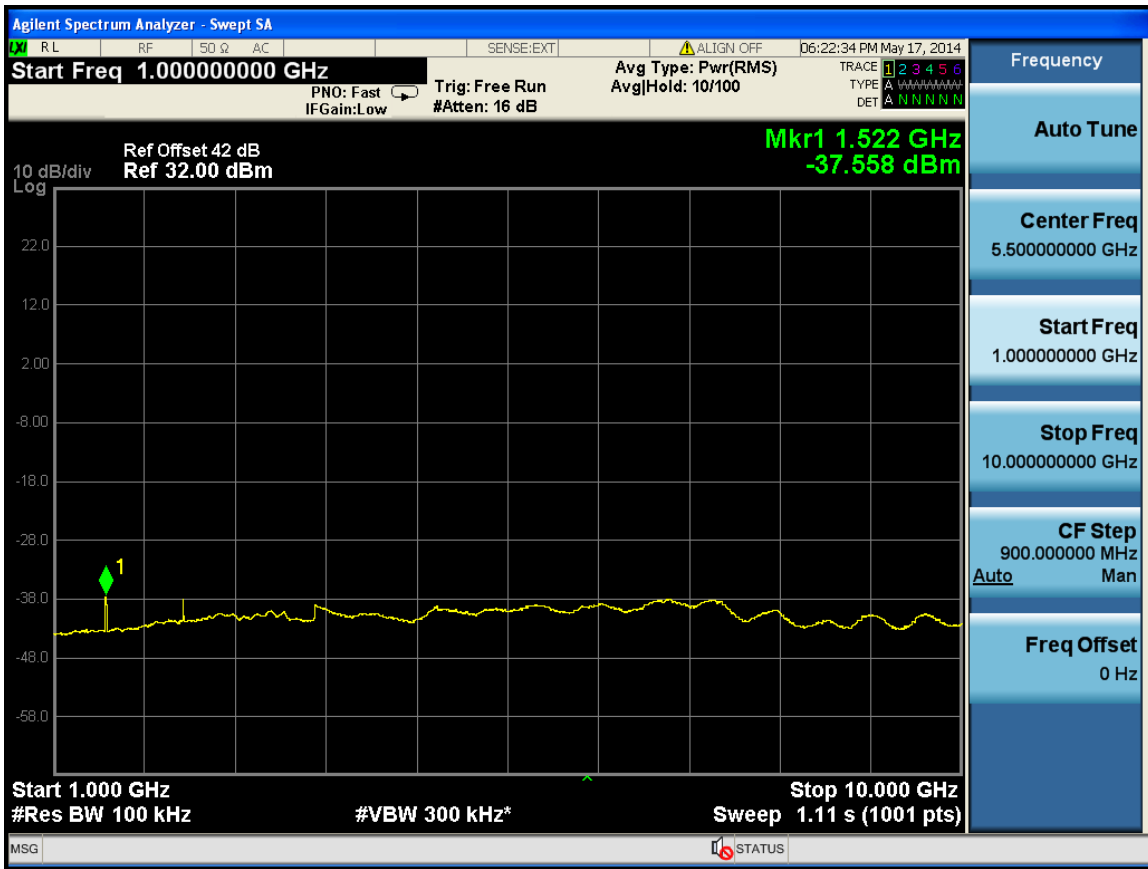




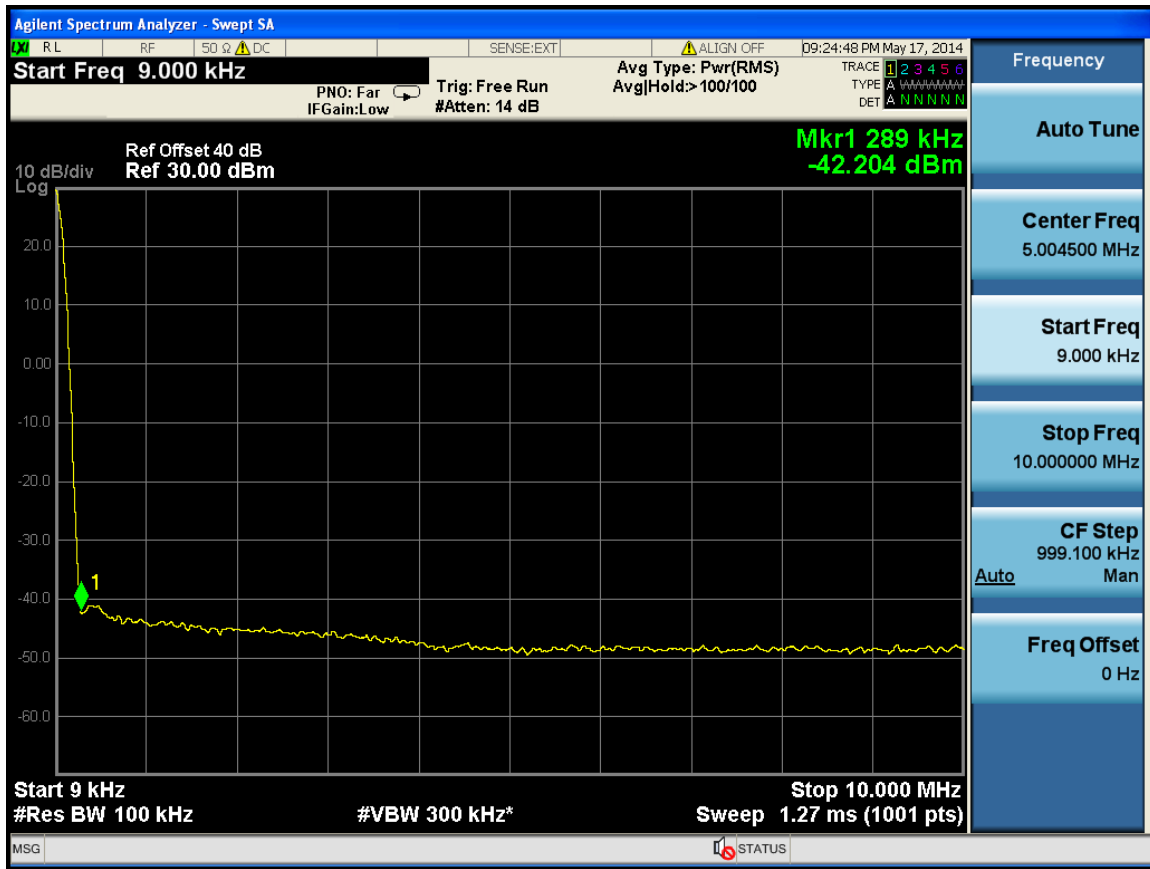
5M -Port 2 -763MHz

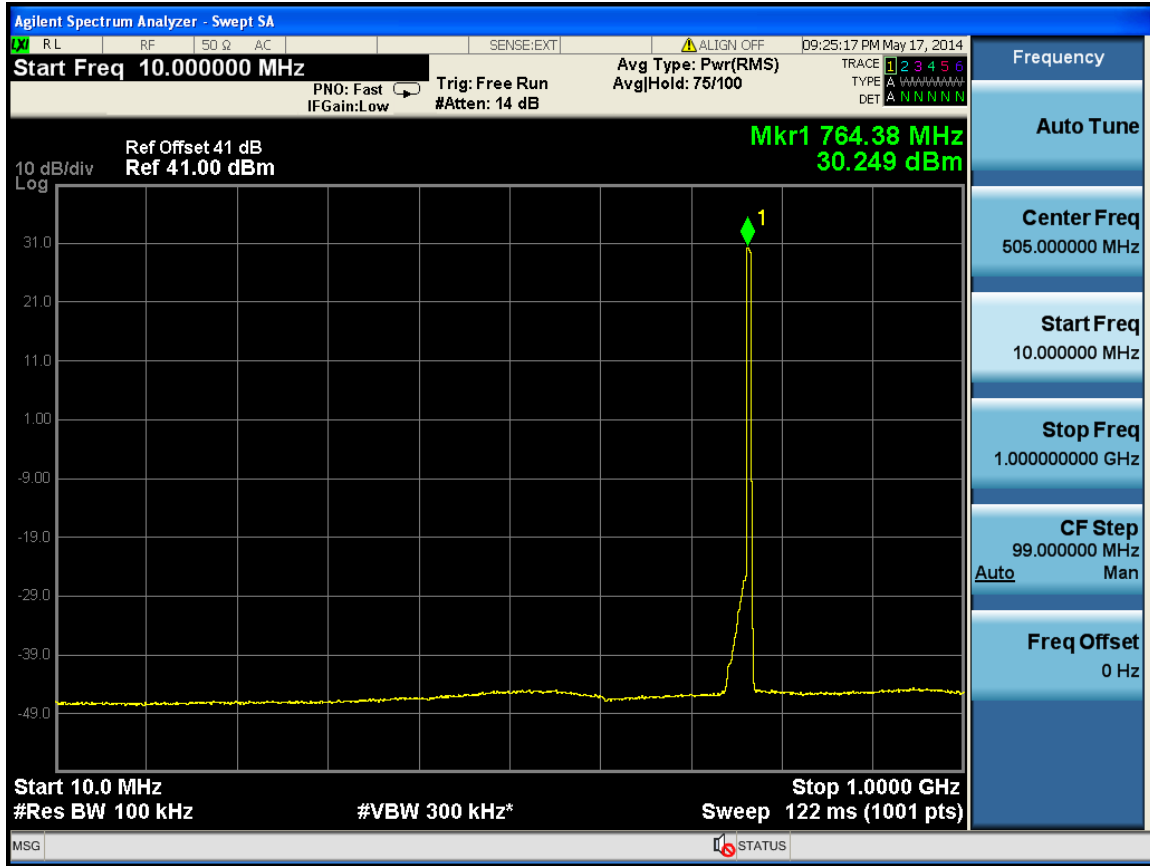


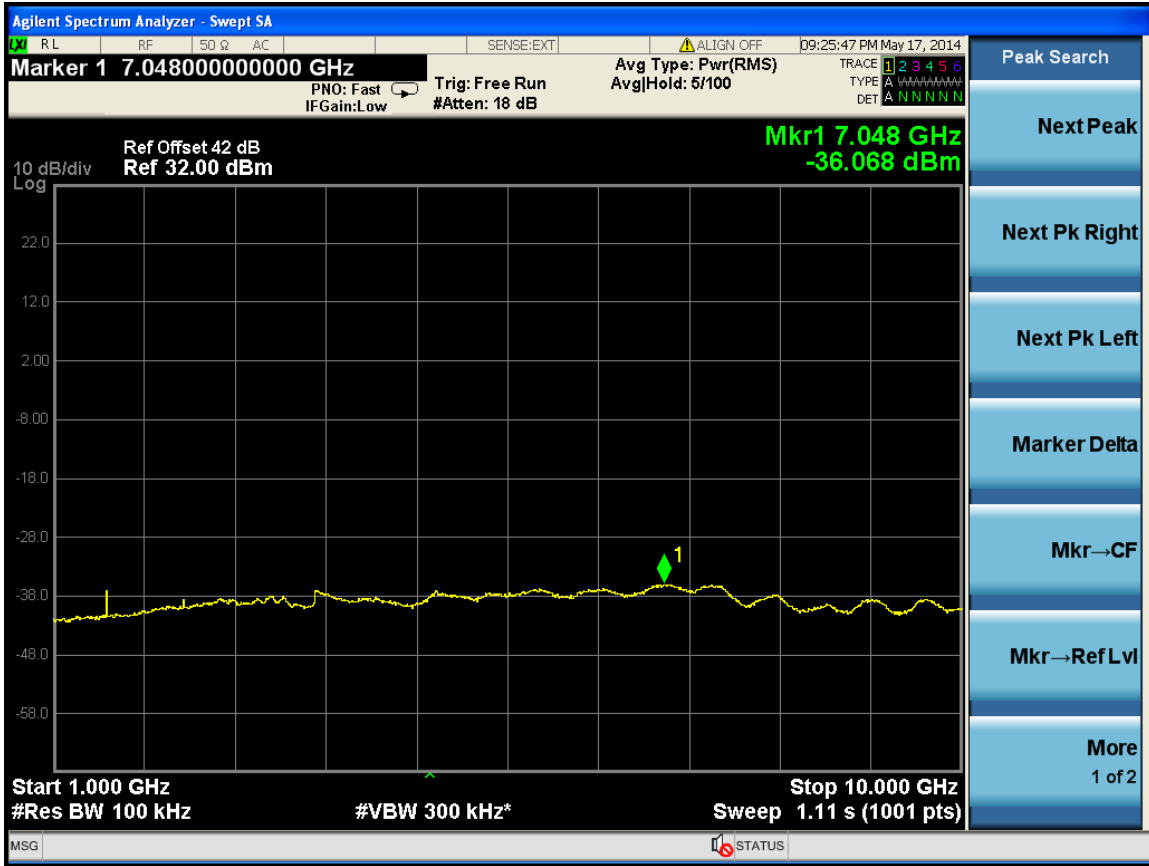




5M -Port 2 -765.51MHz







10 OCCUPIED BANDWIDTH

Applicable Standard: FCC §2.1049

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9030A	MY49431143	2013.06.18	2014.06.18
DTS	DTS 40dB Attenuator	DTS100-40-3-1	09112005	2013.07.19	2014.07.19

***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

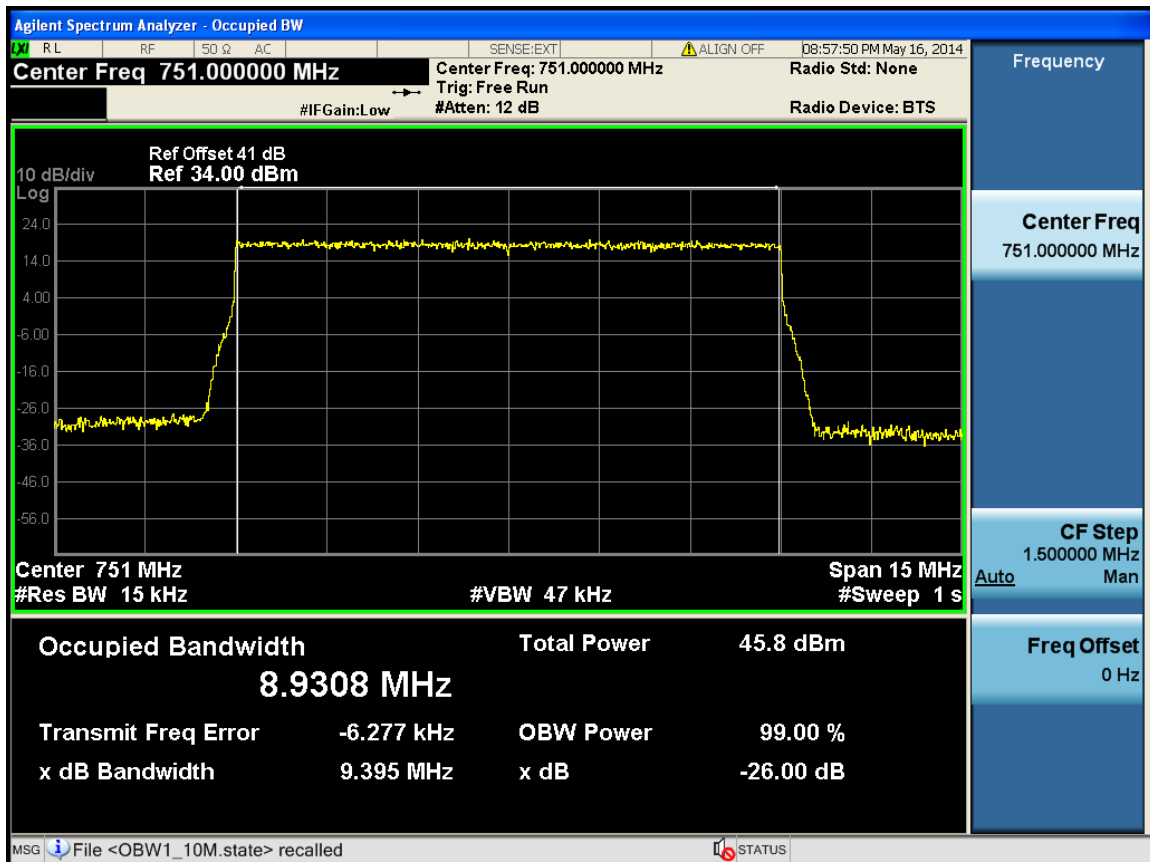
Test Mode: Transmitting LTE

Test Data

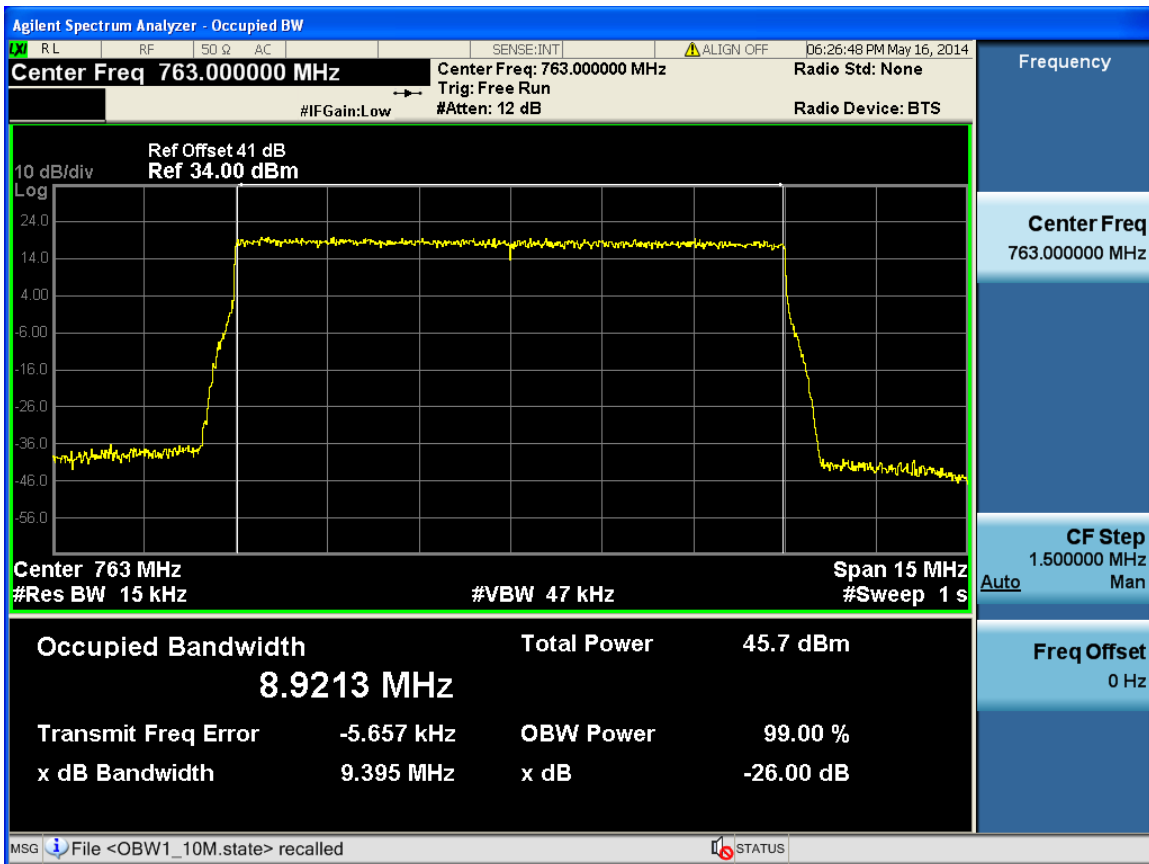
Channel Bandwidth :10M

Port	Center Freq. (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
1	751	8.9308	10M
	763	8.9213	10M
2	751	8.9283	10M
	763	8.9231	10M

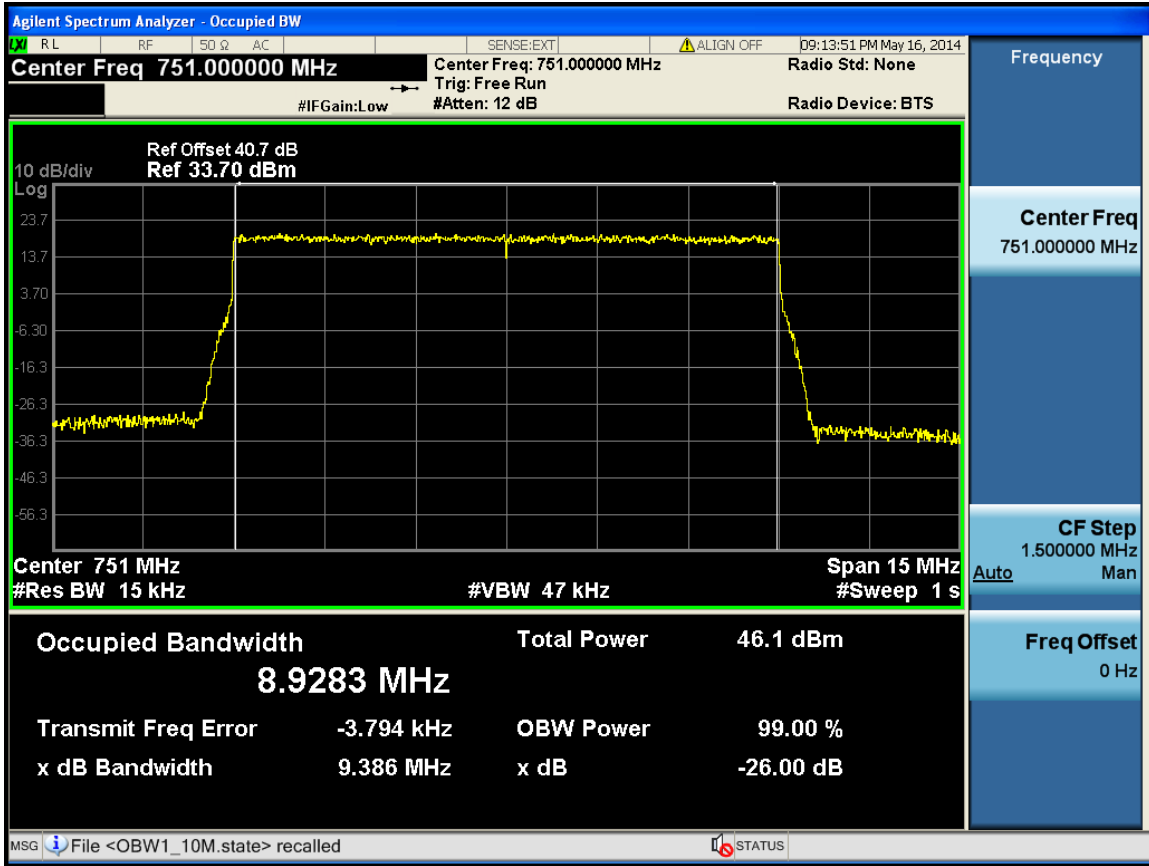
15M -Port 1 -751MHz



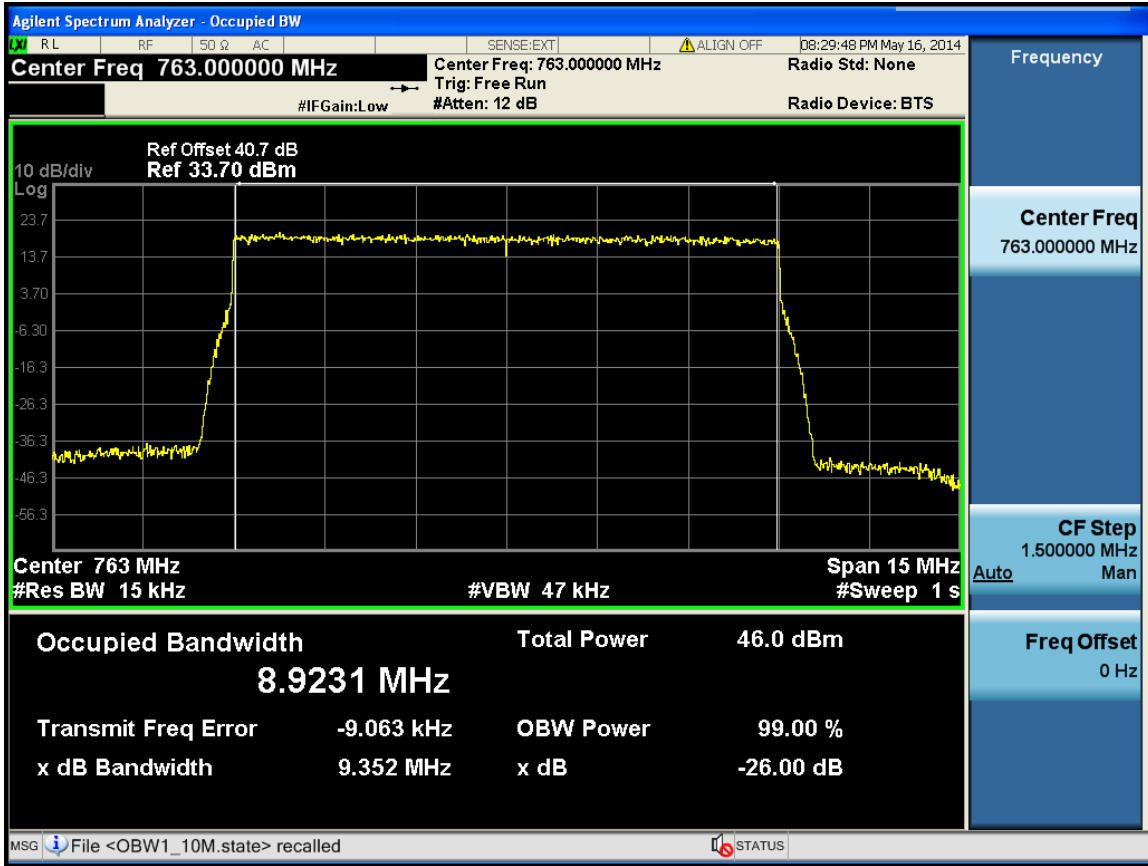
15M -Port 1 -763MHz



15M -Port 2 -751MHz



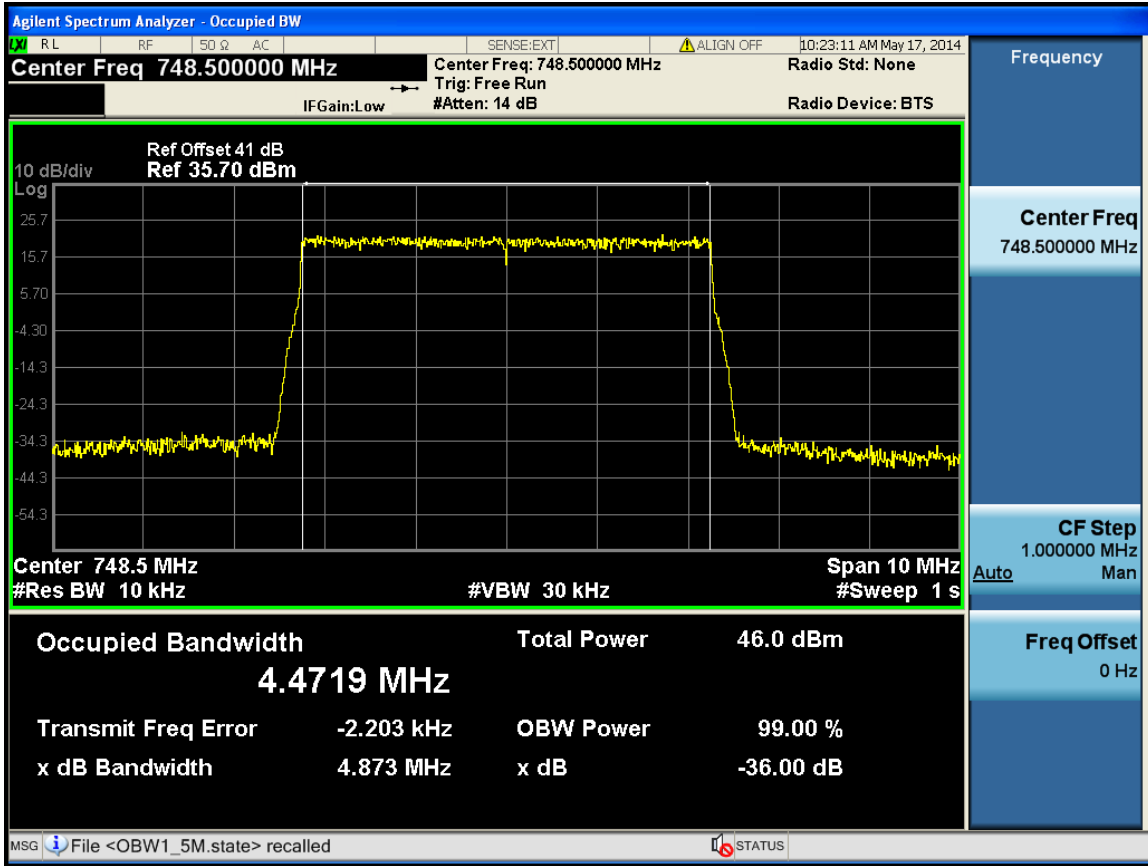
15M -Port 2 -763MHz



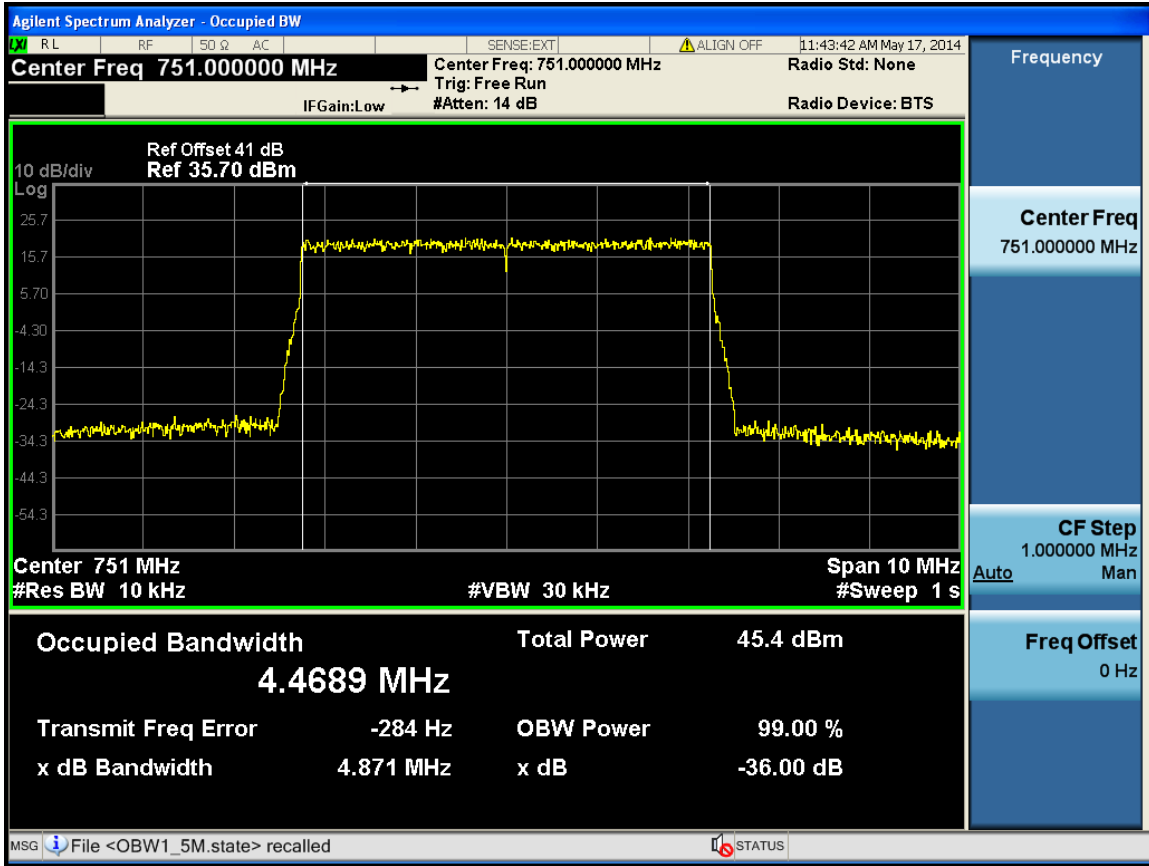
Channel Bandwidth :5M

Port	Center Freq. (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
1	748.5	4.4719	5M
	751	4.4689	5M
	753.5	4.4701	5M
	760.5	4.4713	5M
	763	4.4737	5M
	765.5	4.4740	5M
2	748.5	4.4776	5M
	751	4.4723	5M
	753.5	4.4763	5M
	760.5	4.4775	5M
	763	4.4677	5M
	765.5	4.4721	5M

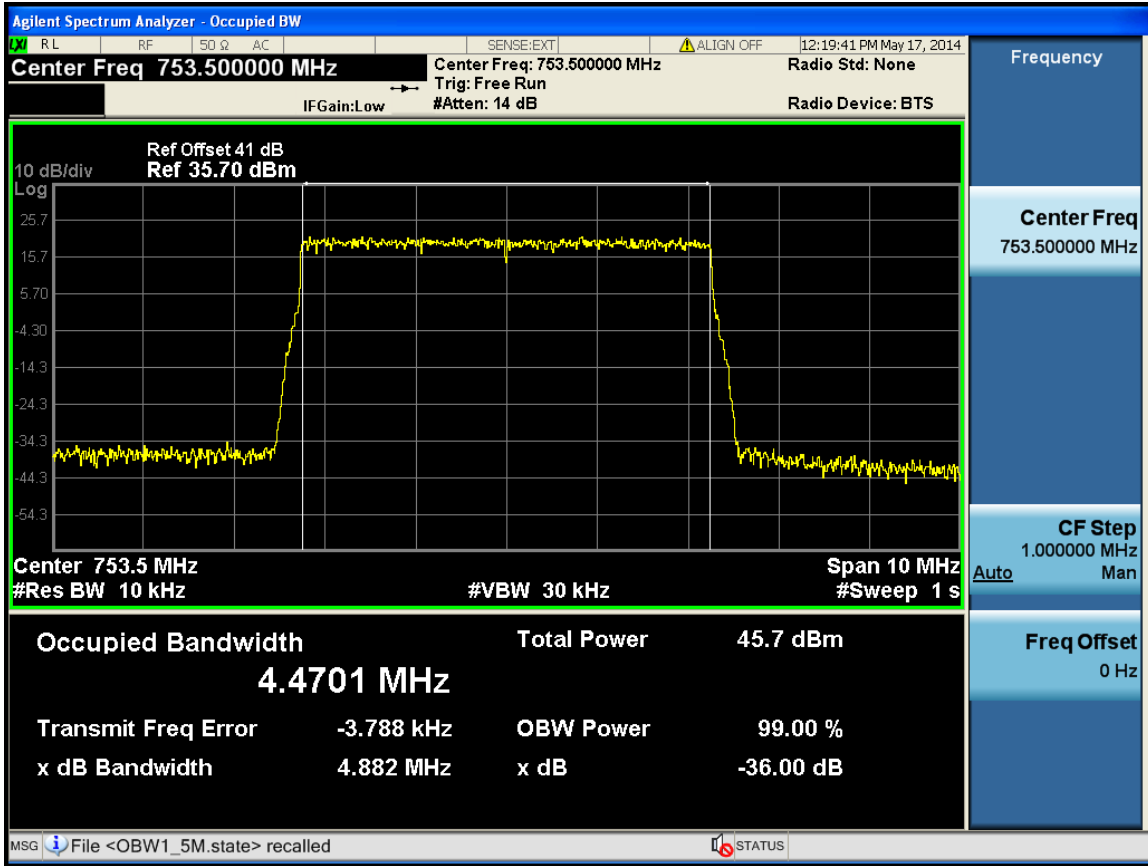
5M -Port 1 -748.5MHz



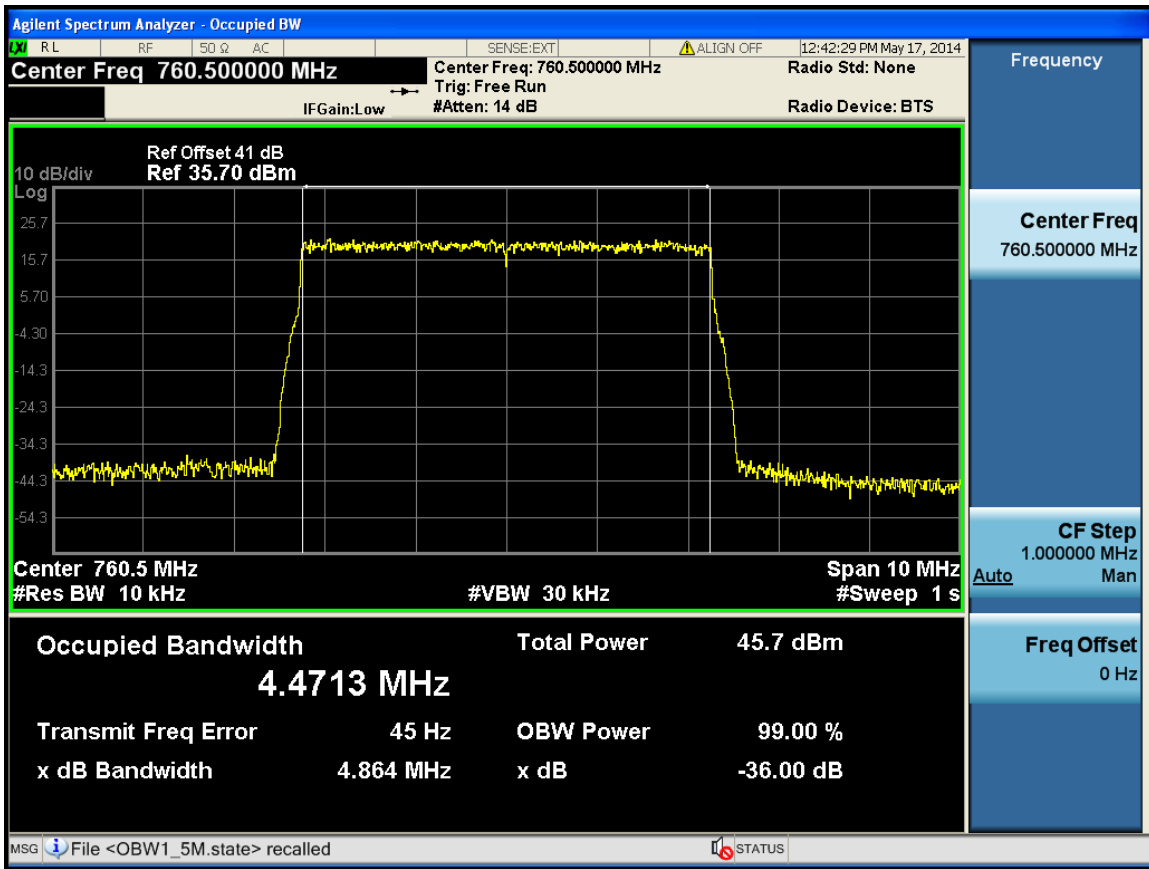
5M -Port 1 -751MHz



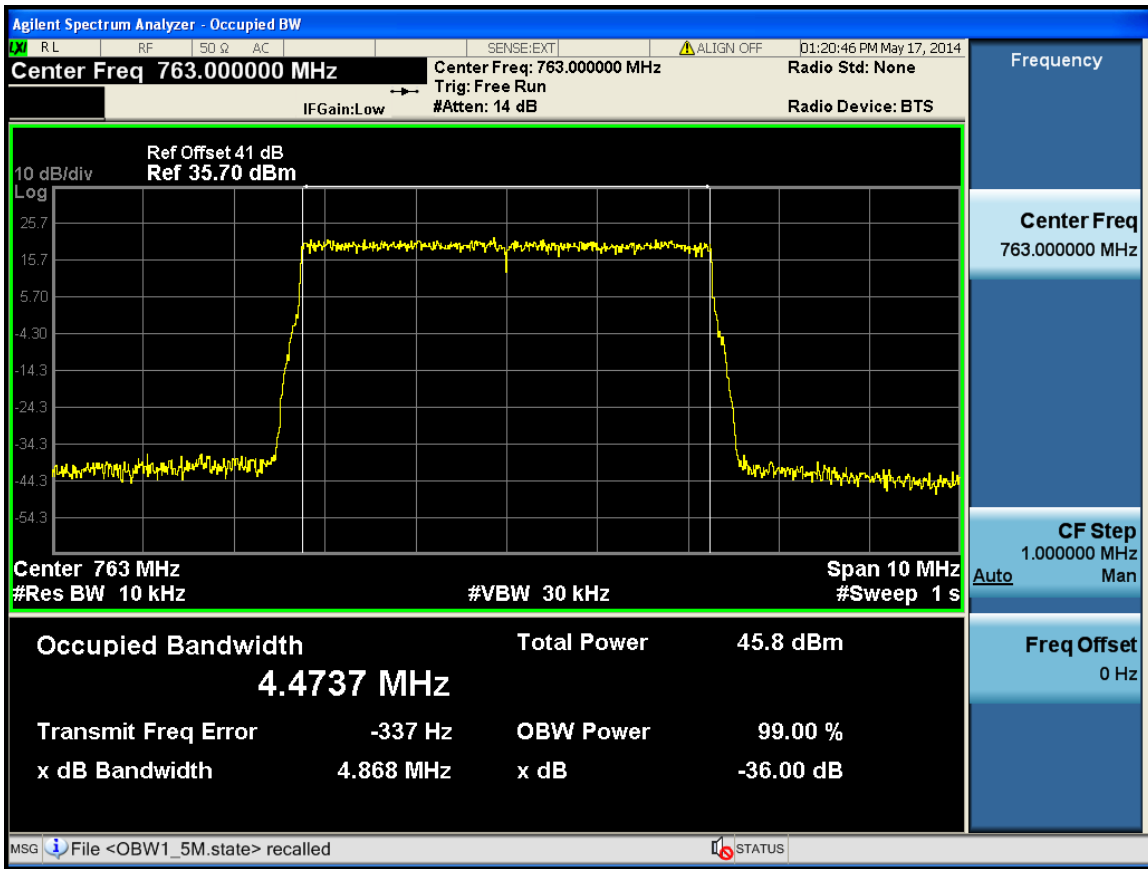
5M -Port 1 -753.5MHz



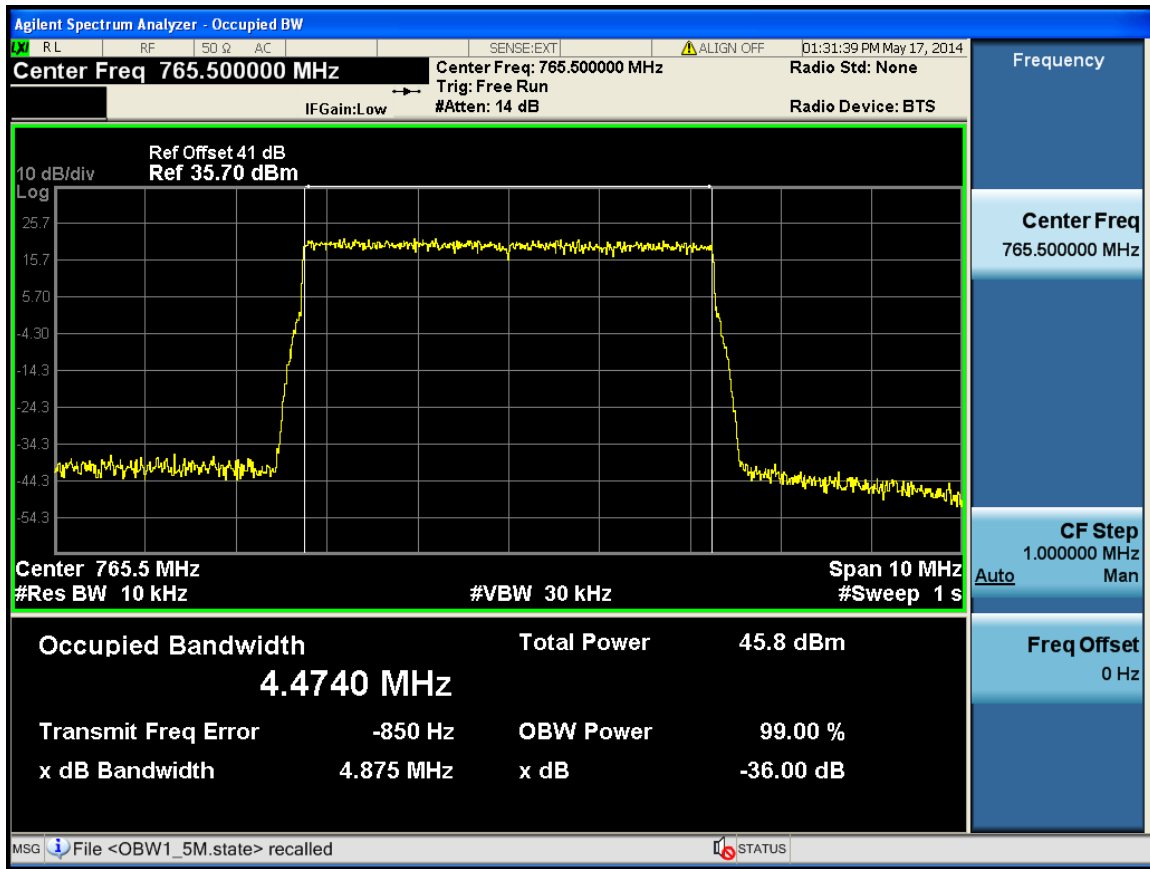
5M -Port 1 -760.5MHz



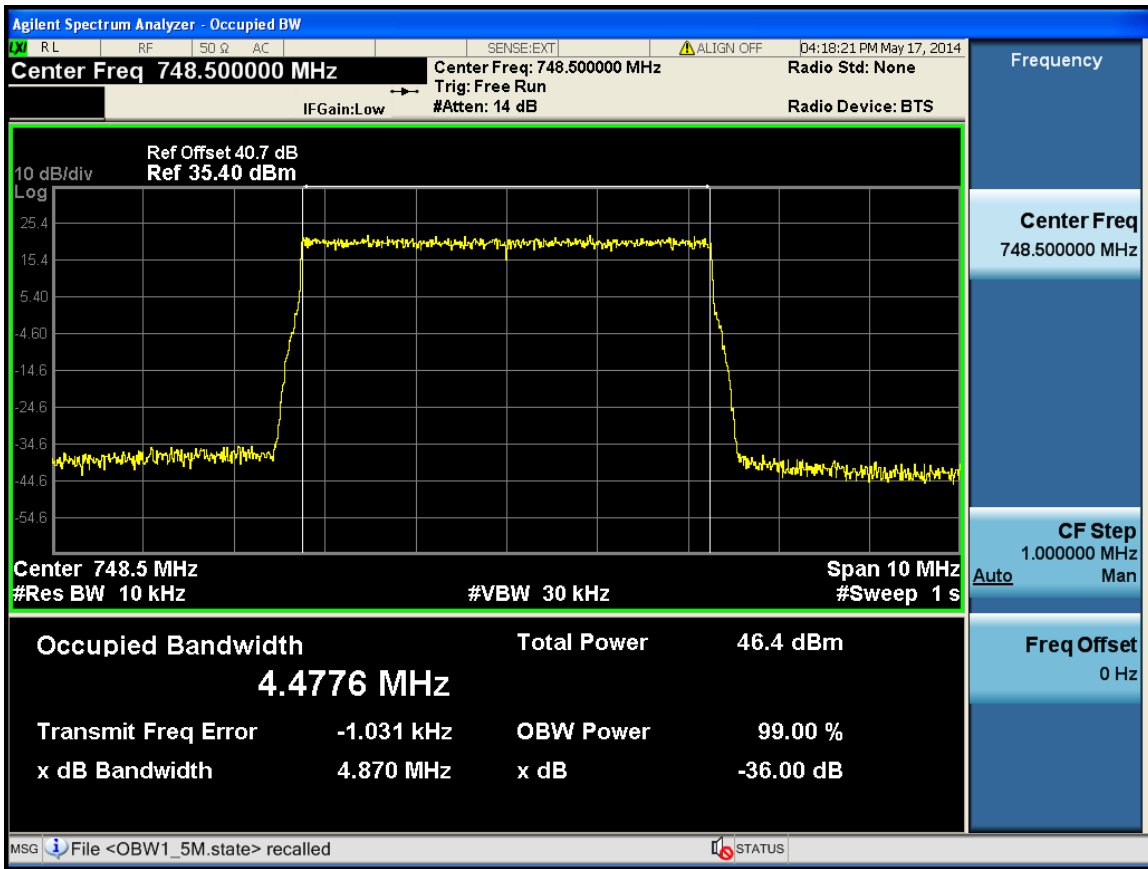
5M -Port 1 -763MHz



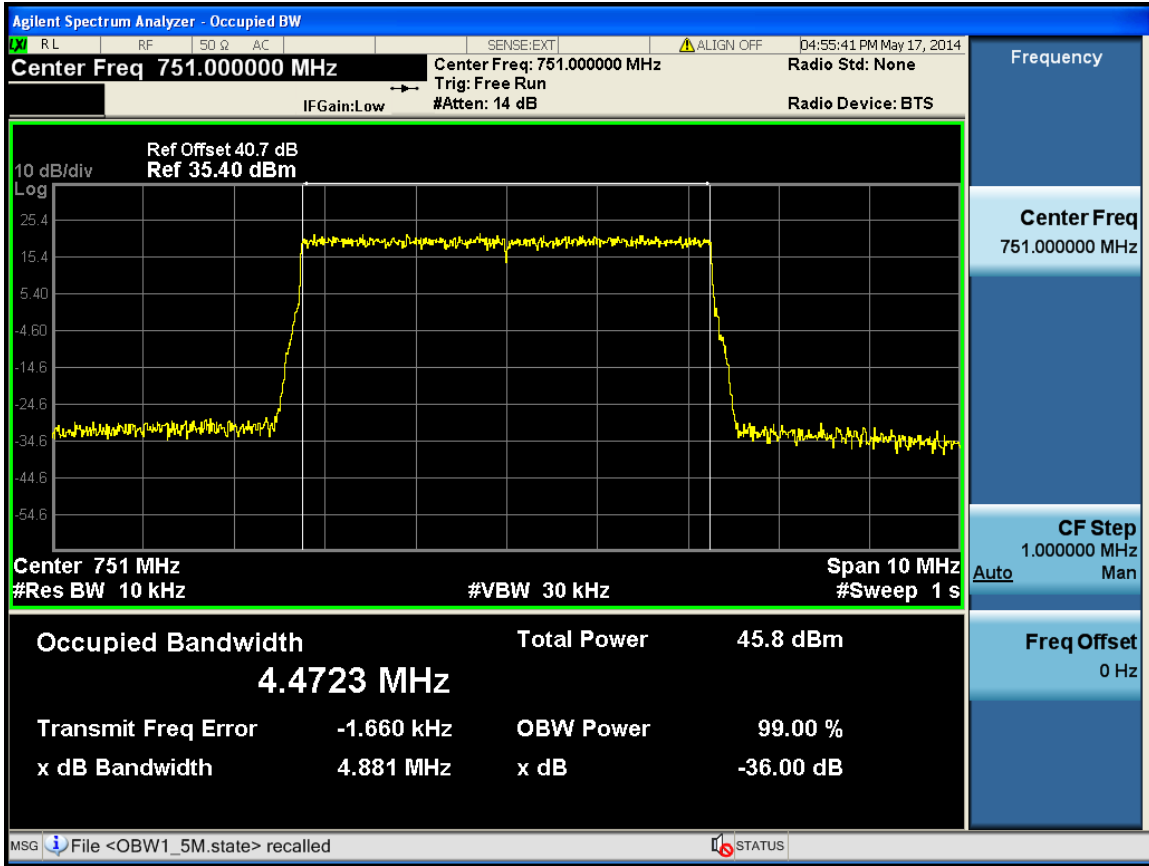
5M -Port 1 -765.51MHz



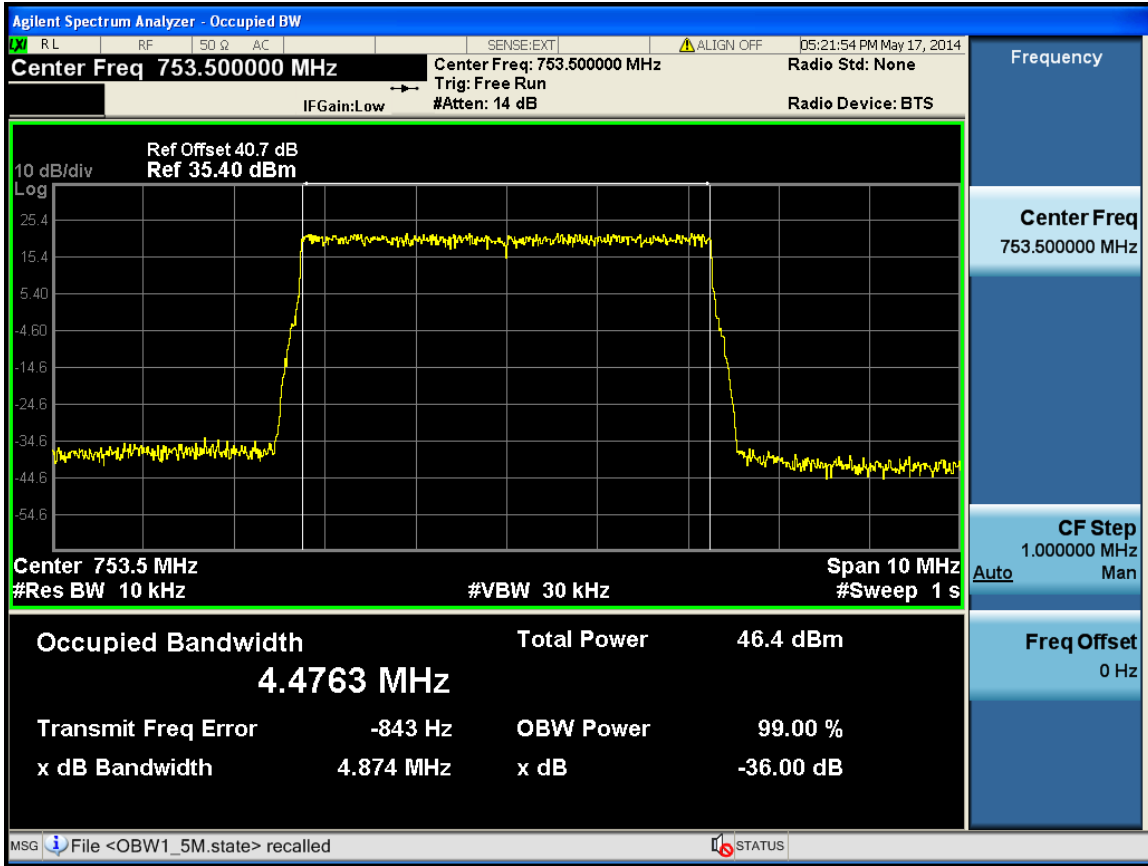
5M -Port 2 -748.5MHz



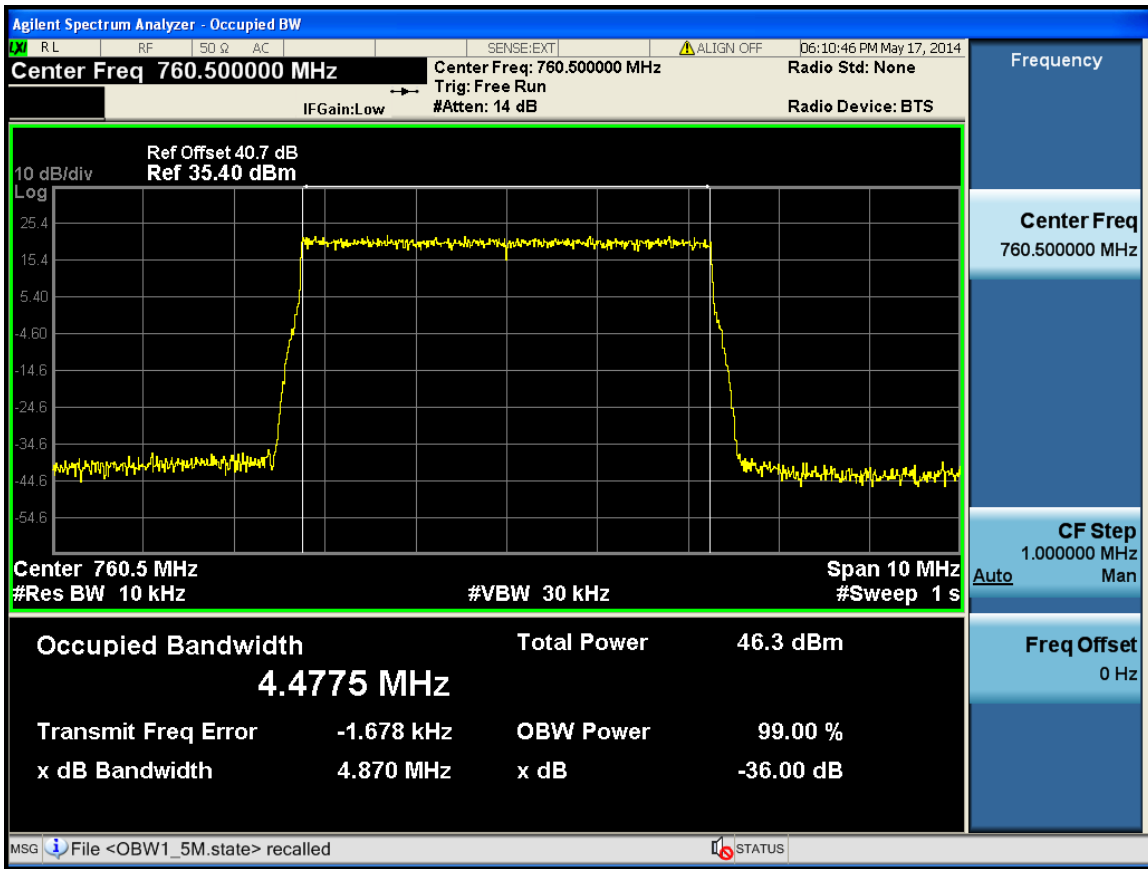
5M -Port 2 -751MHz



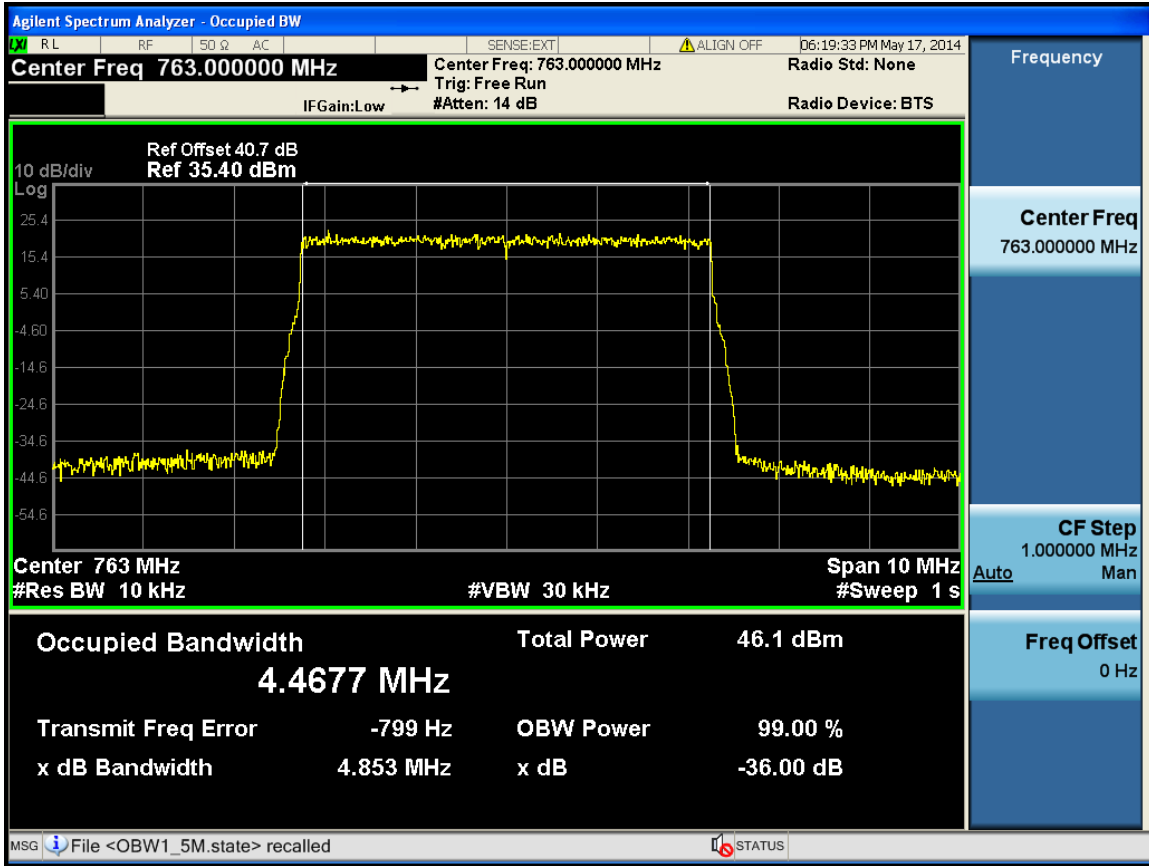
5M -Port 2 -753.5MHz



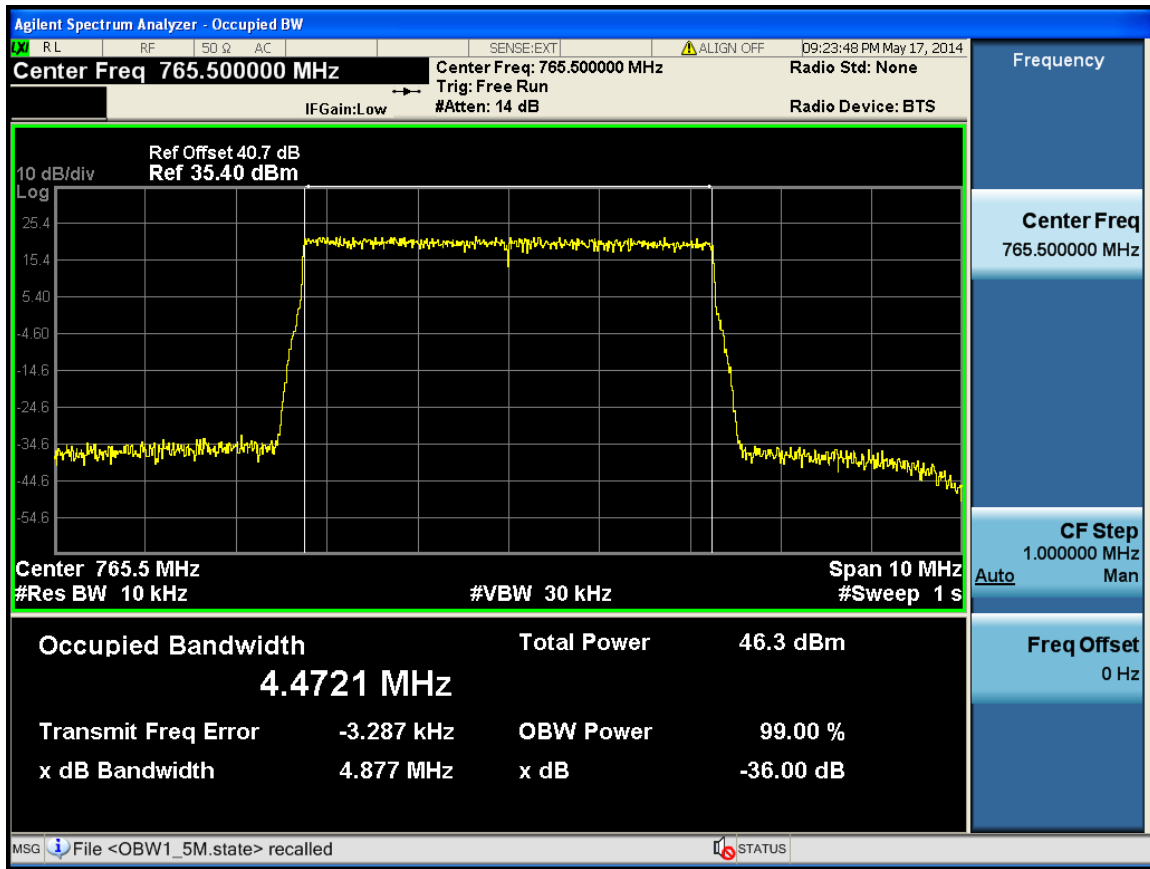
5M -Port 2 -760.5MHz



5M -Port 2 -763MHz



5M -Port 2 -765.51MHz



11 BAND EDGES

Applicable Standard: FCC §2.1051, §27.53

According to §2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (p) by a factor of at least $43 + 10 \log (p)$ dB. The limit (dBm) should $< P - (43 + 10 \log(P)) = -13 \text{dBm}$.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9030A	MY49431143	2013.06.18	2014.06.18
DTS	DTS 40dB Attenuator	DTS100-40-3-1	09112005	2013.07.19	2014.07.19

***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 output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.

Test Data Environmental Conditions

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

Test Result: Pass

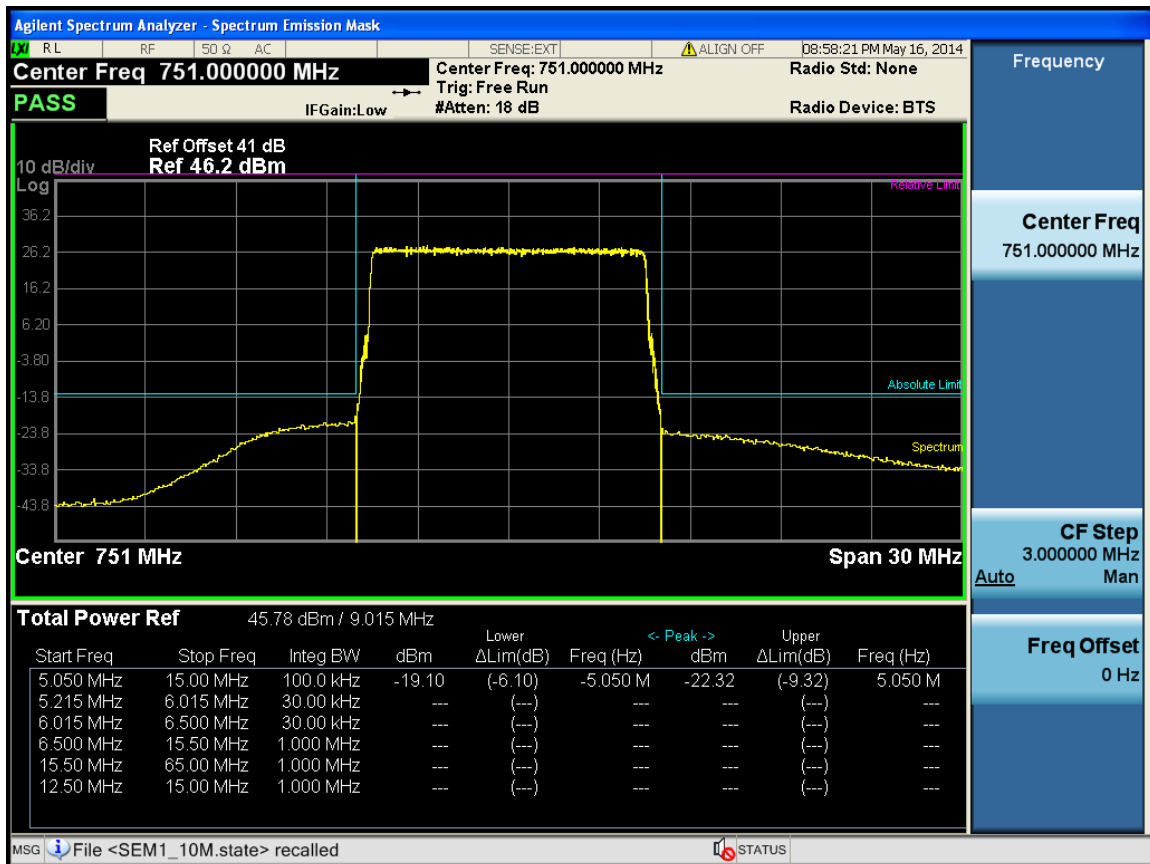
Test Mode: Transmitting LTE

Test Data

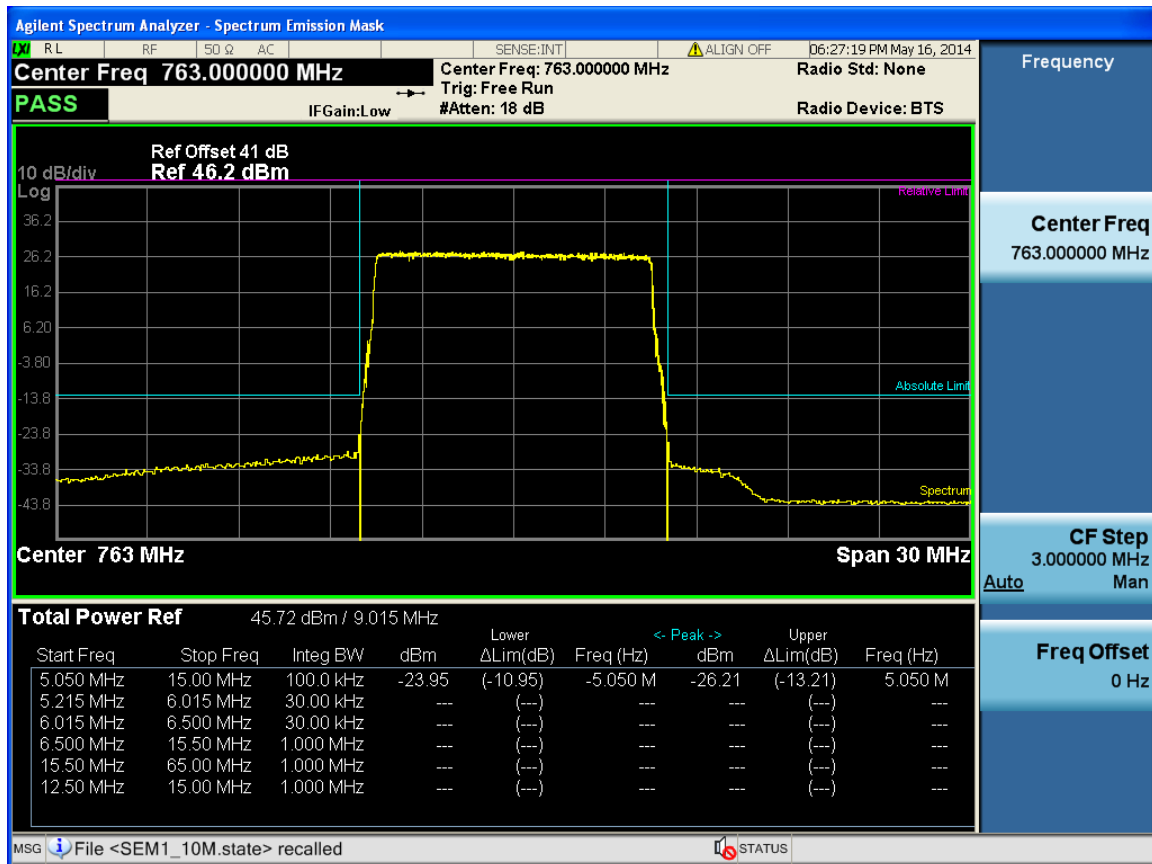
Channel Bandwidth :10M

Port	Center Freq. (MHz)	Max bandedge Emission (dBm)	Limit (dBm)
1	751	-19.10	-13
	763	-23.95	-13
2	751	-20.50	-13
	763	-24.83	-13

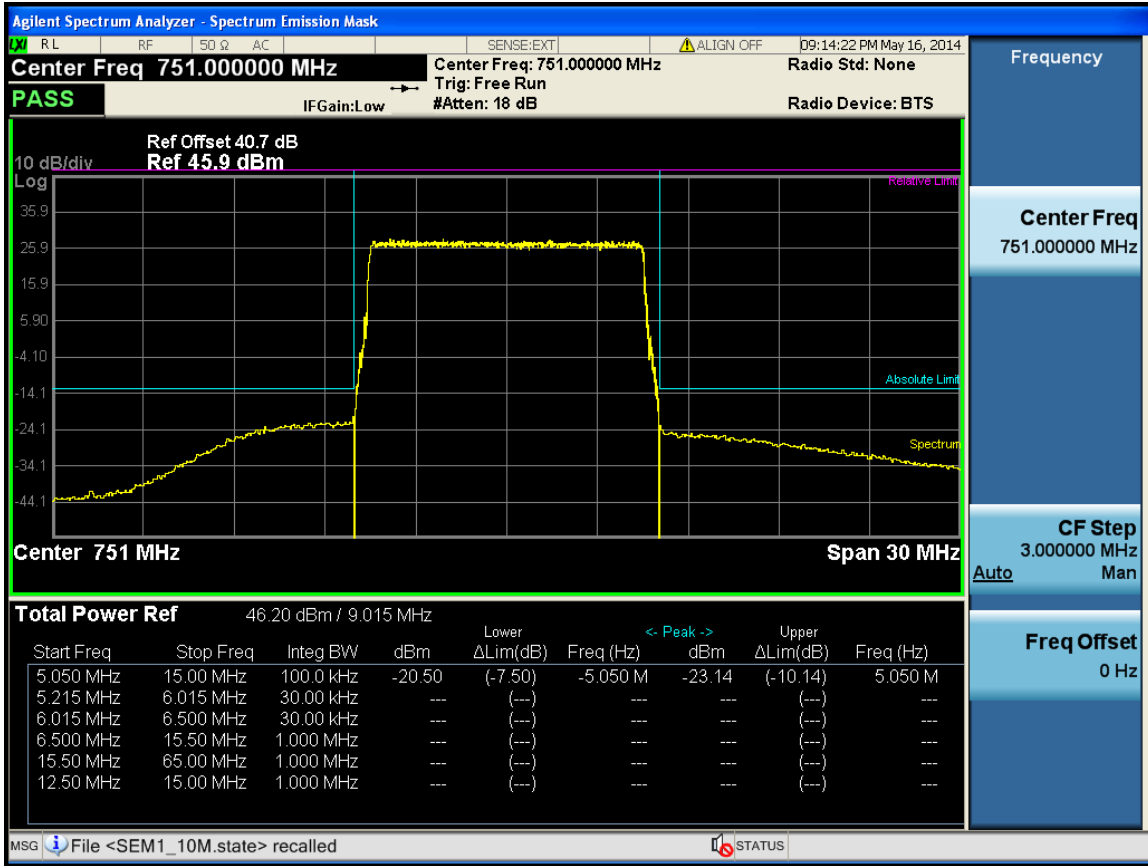
15M -Port 1 -751MHz



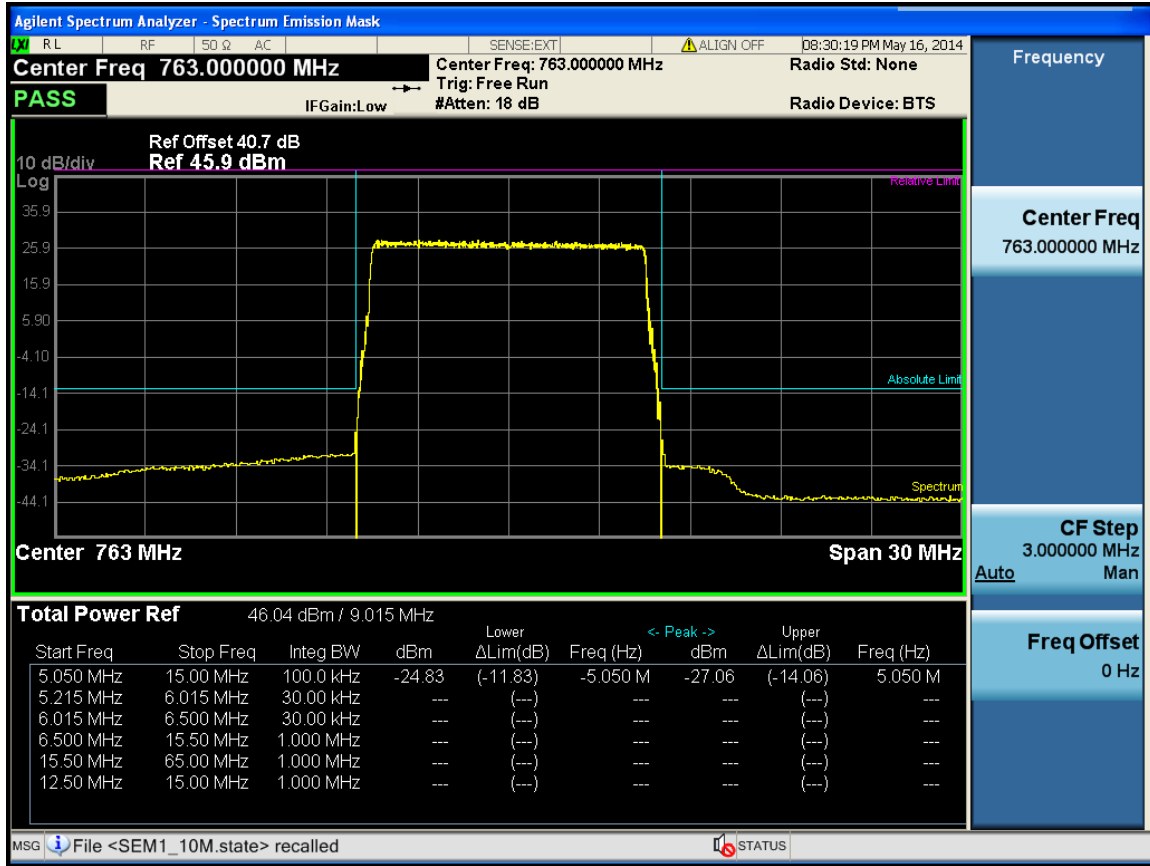
15M -Port 1 -763MHz



15M -Port 2 -751MHz



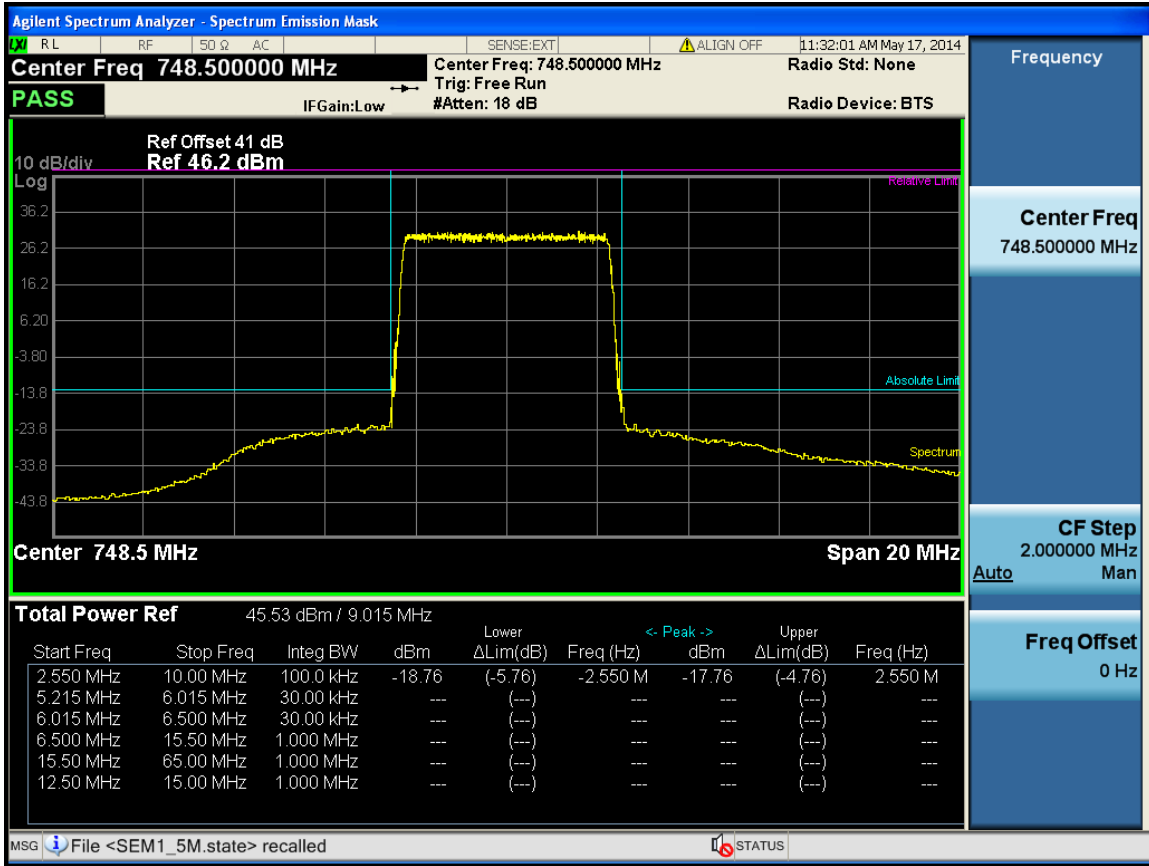
15M -Port 2 -763MHz



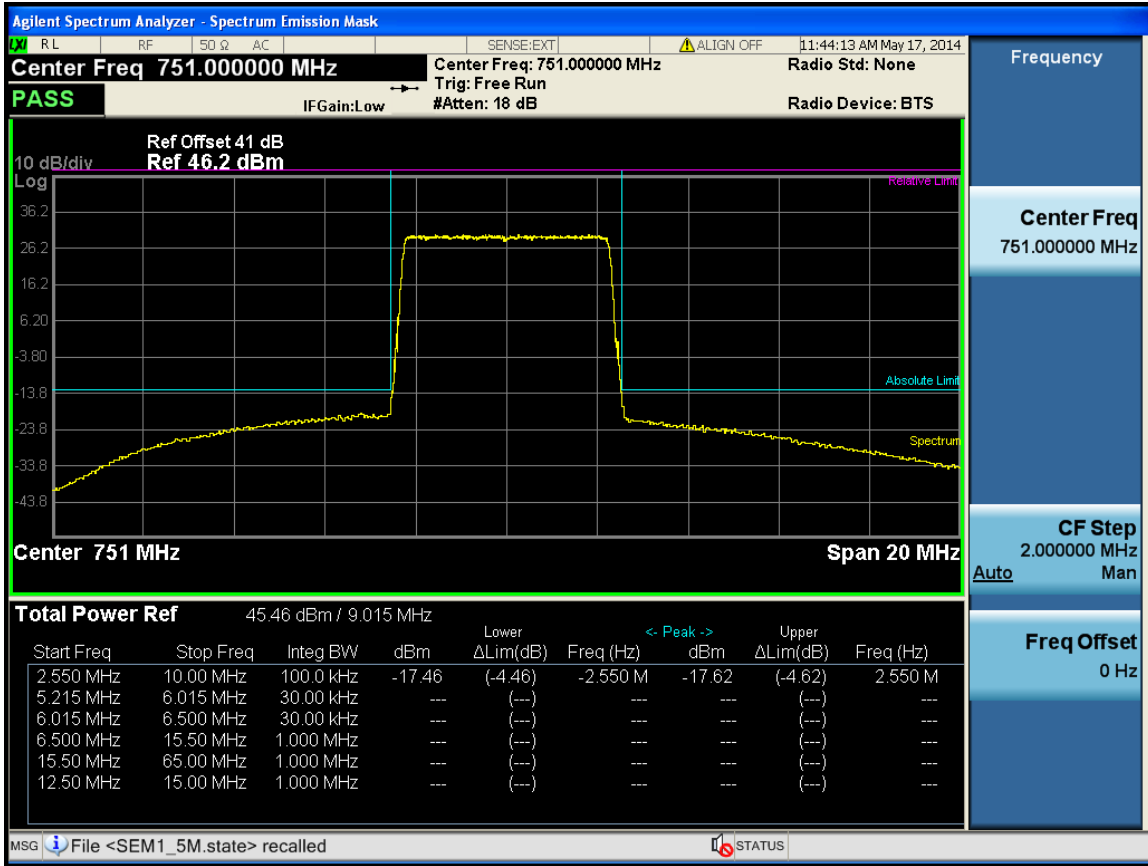
Channel Bandwidth :5M

Port	Center Freq. (MHz)	Max bandedge Emission (dBm)	Limit (dBm)
1	748.5	-17.76	-13
	751	-17.46	-13
	753.5	-19.11	-13
	760.5	-19.77	-13
	763	-19.00	-13
	765.5	-19.19	-13
2	748.5	-19.08	-13
	751	-16.43	-13
	753.5	-18.59	-13
	760.5	-18.69	-13
	763	-18.47	-13
	765.5	-18.23	-13

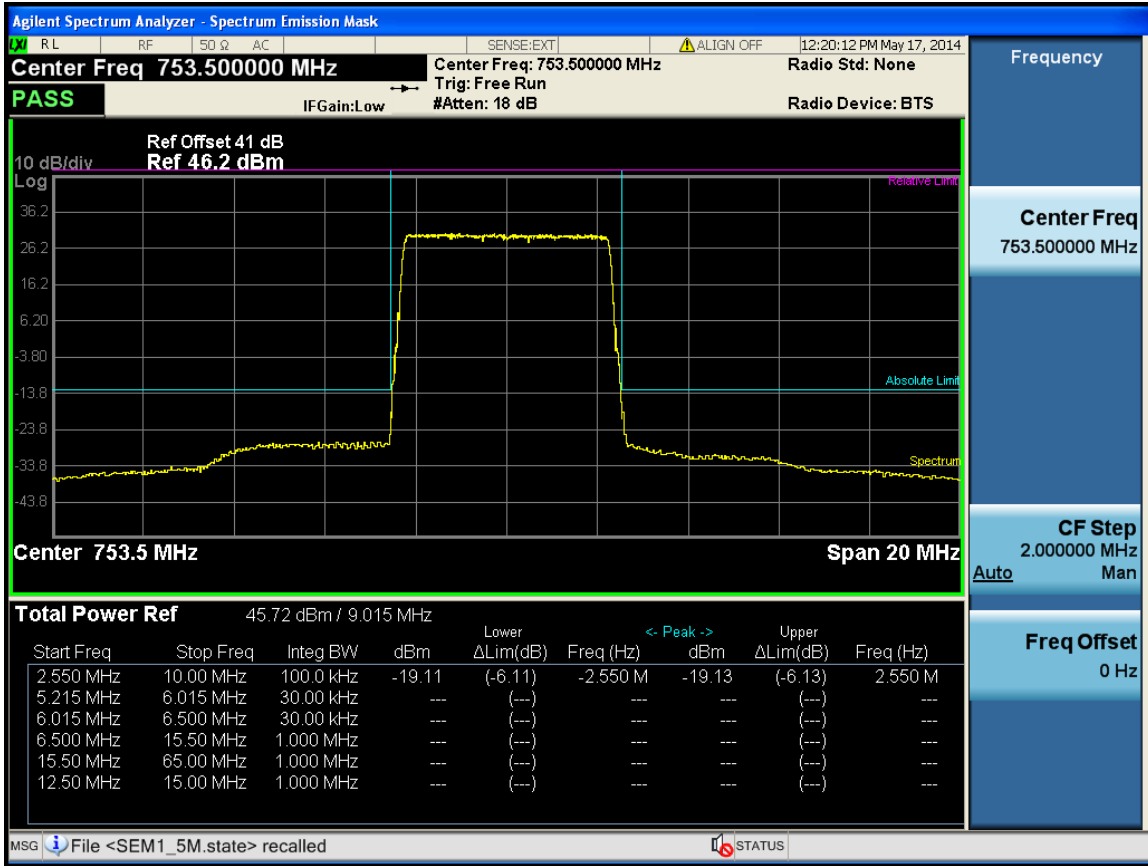
5M -Port 1 -748.5MHz



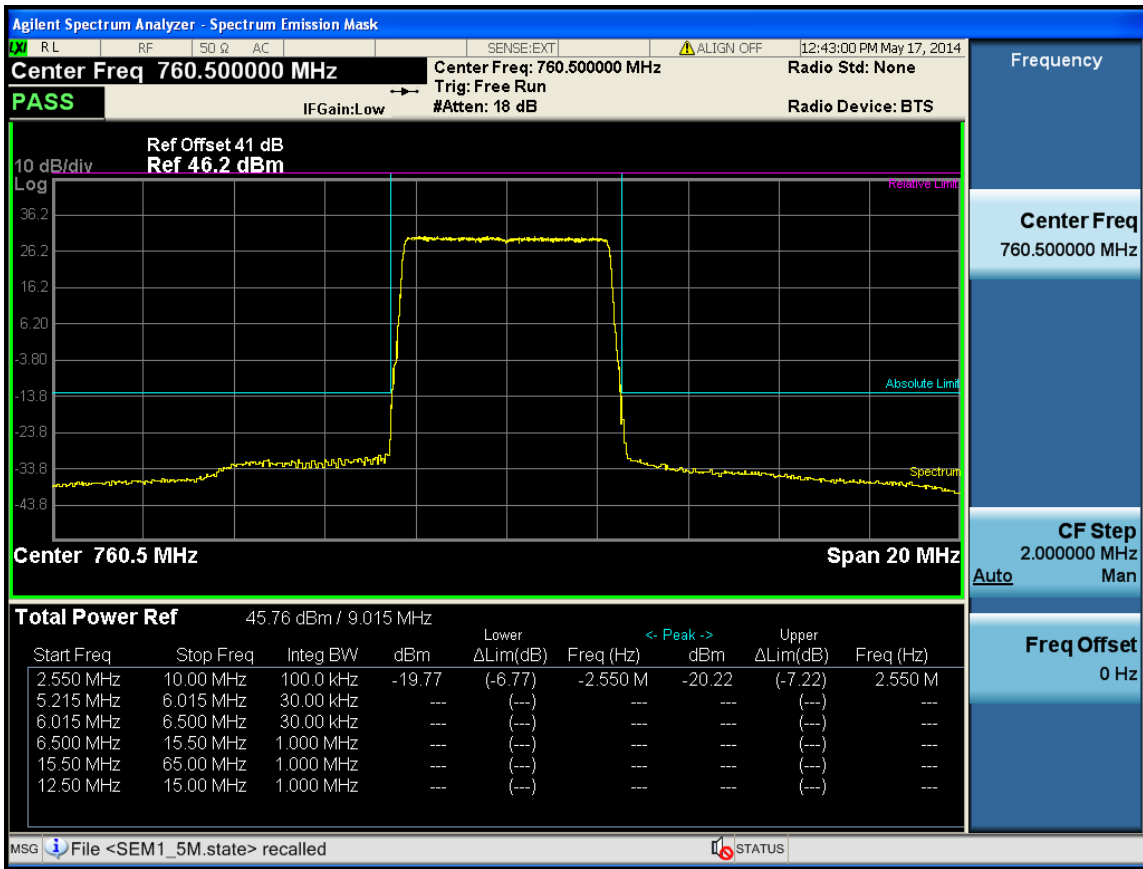
5M -Port 1 -751MHz



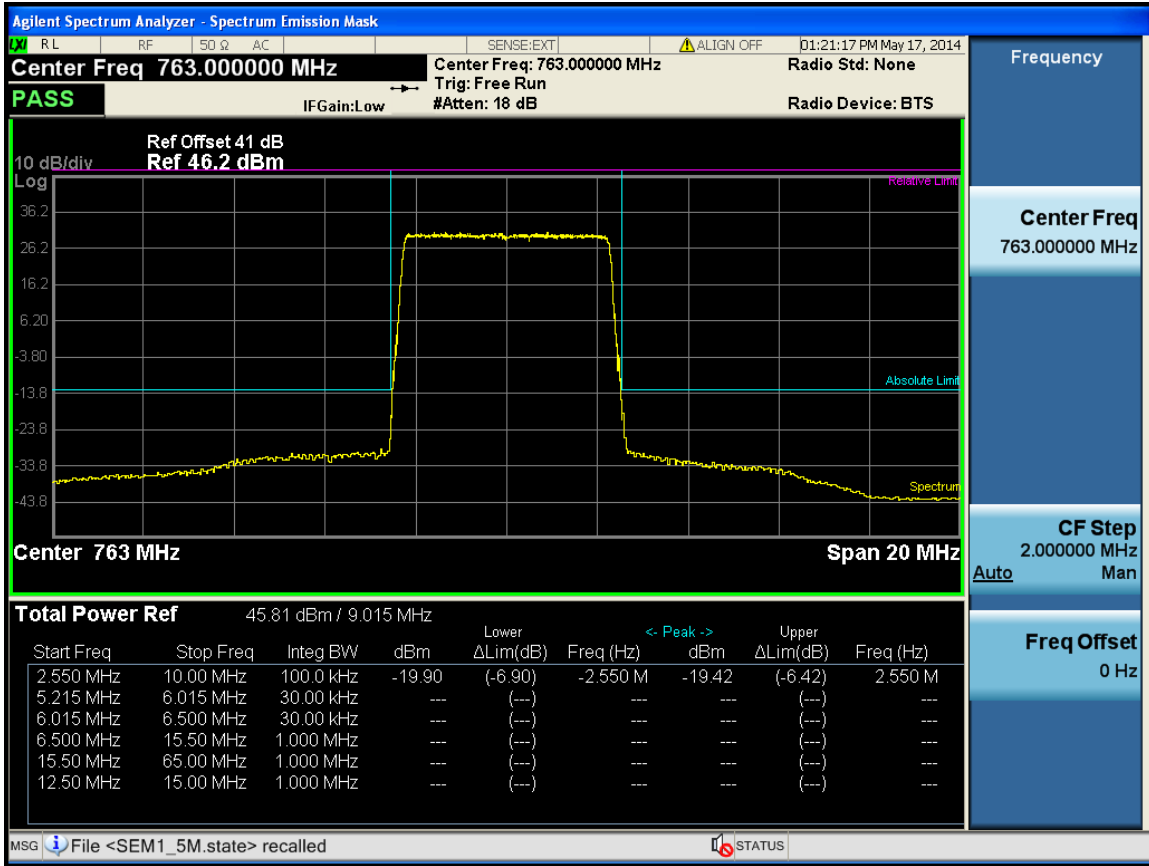
5M -Port 1 -753.5MHz



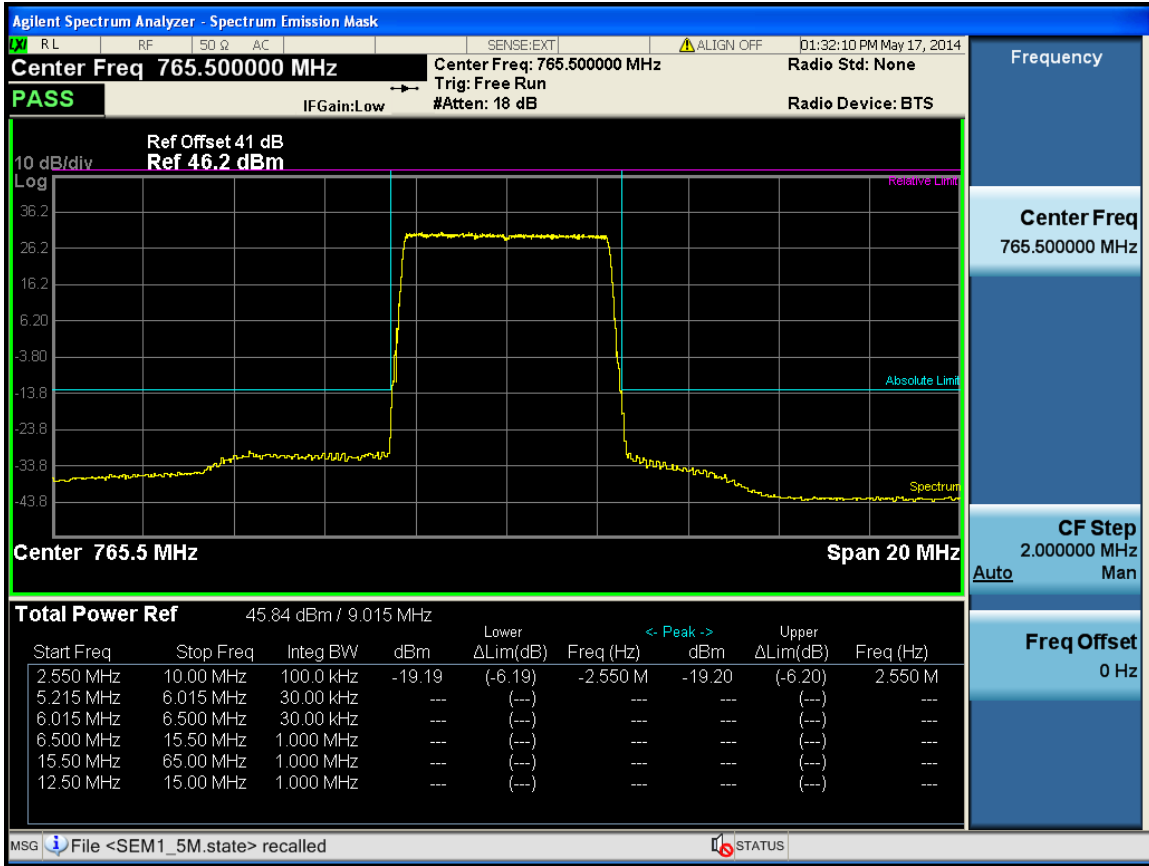
5M -Port 1 -760.5MHz



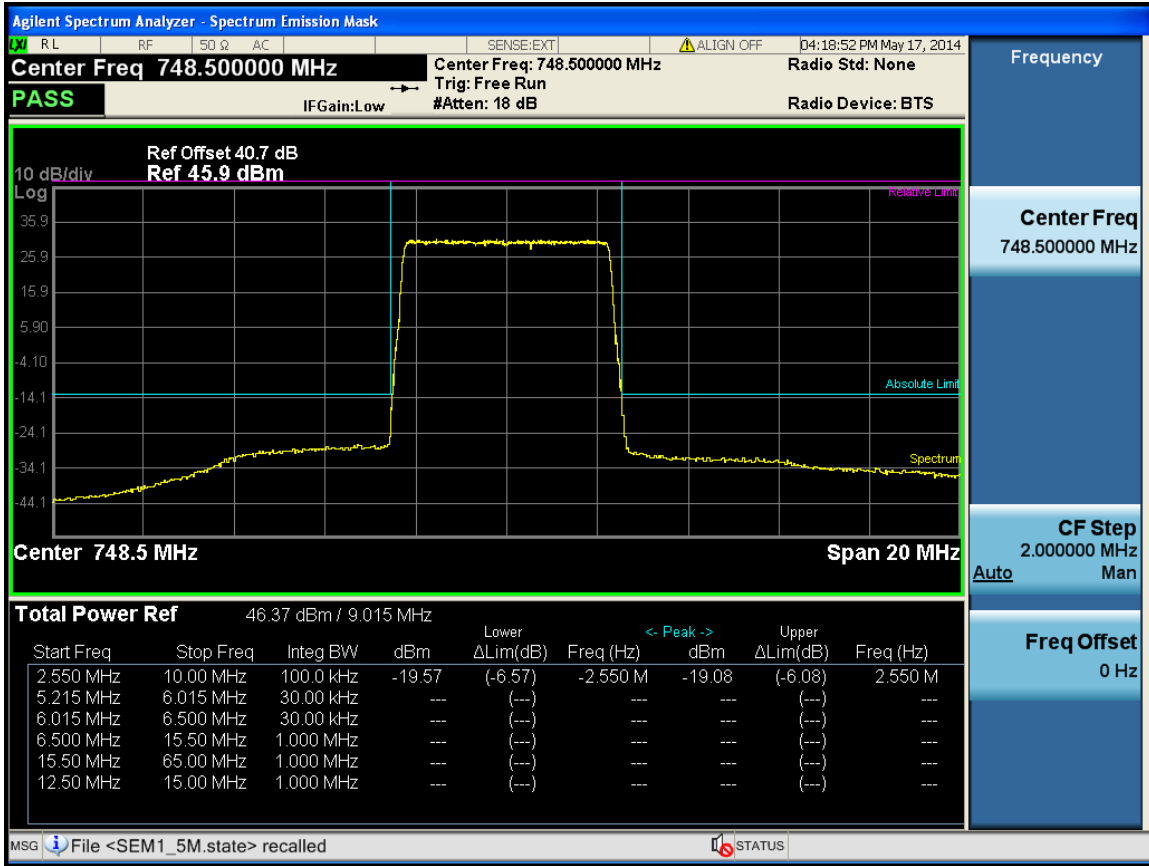
5M -Port 1 -763MHz



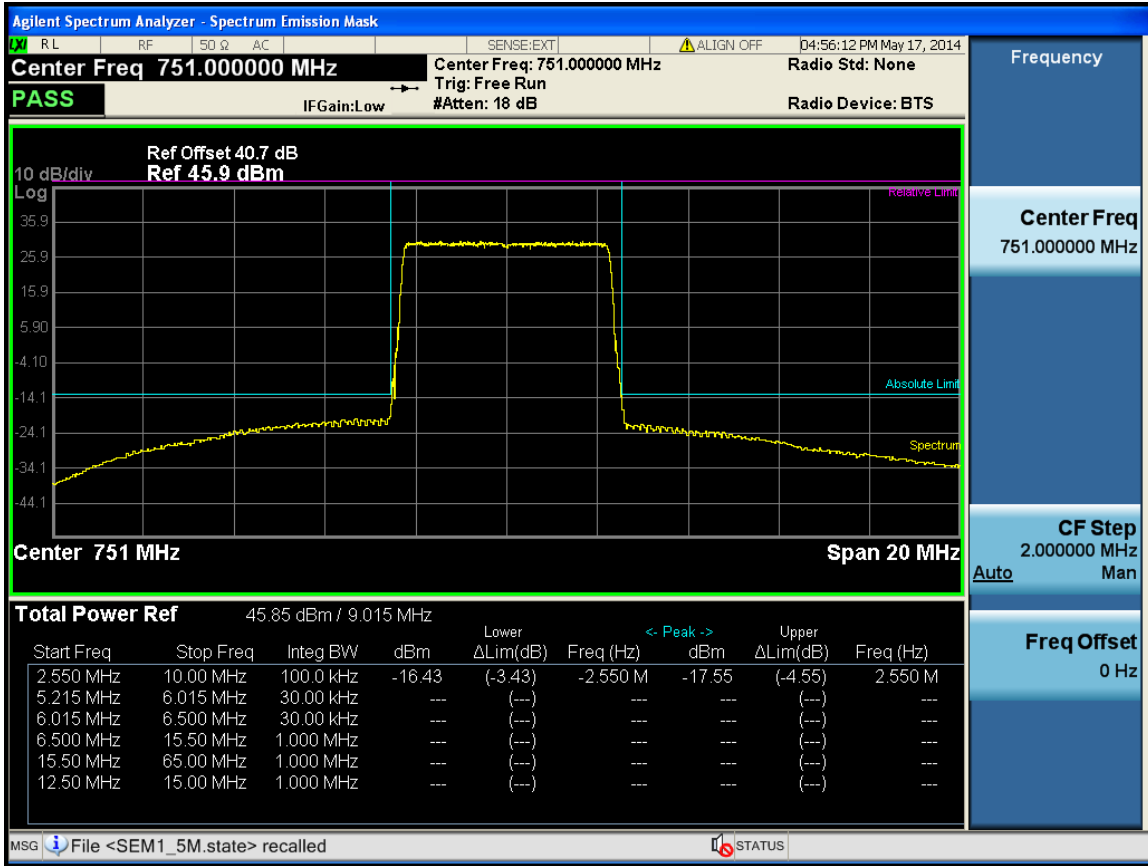
5M -Port 1 -765.51MHz



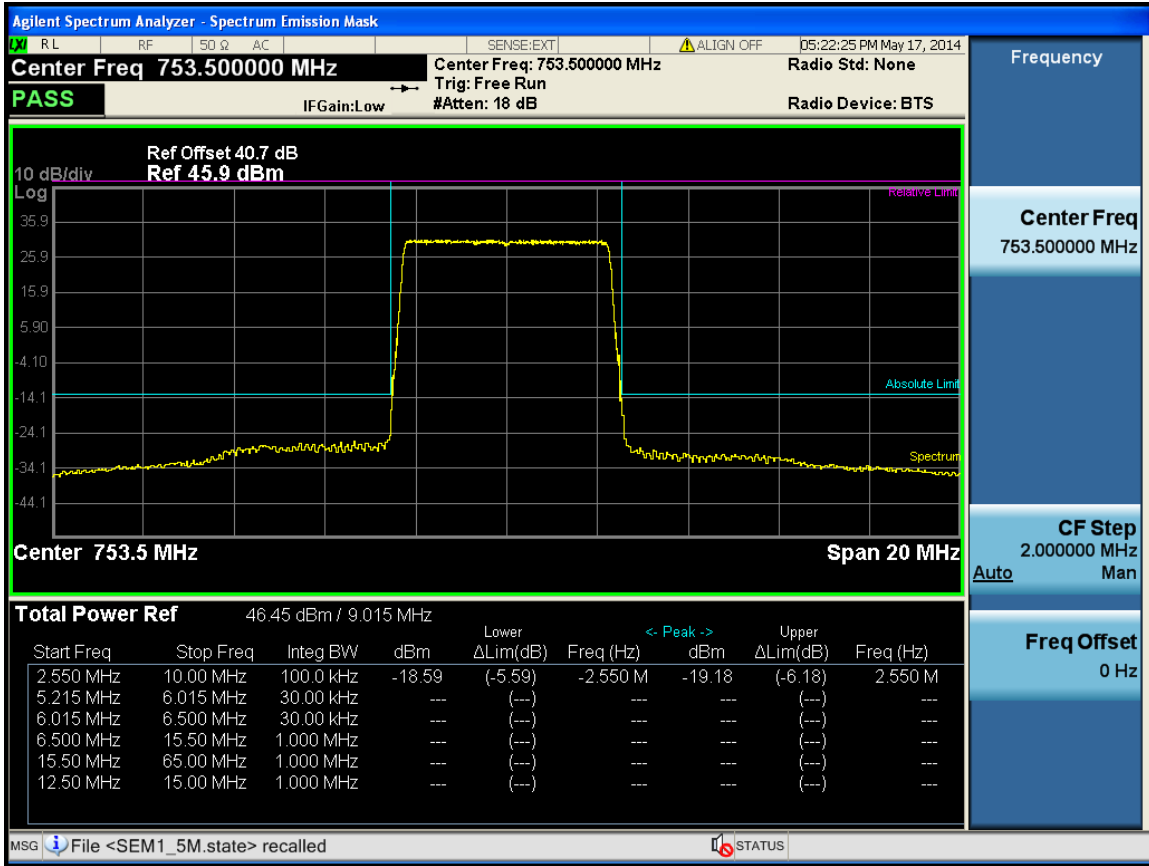
5M -Port 2 -748.5MHz



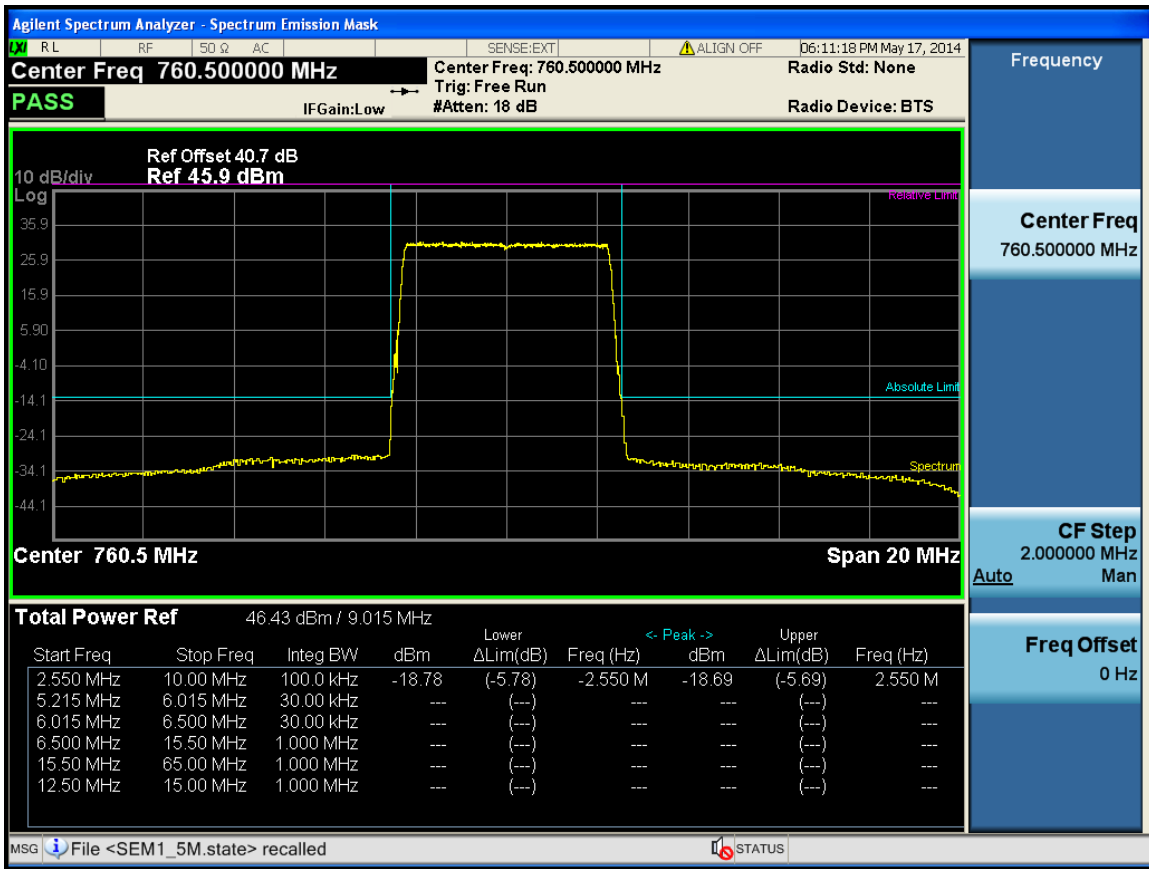
5M -Port 2 -751MHz



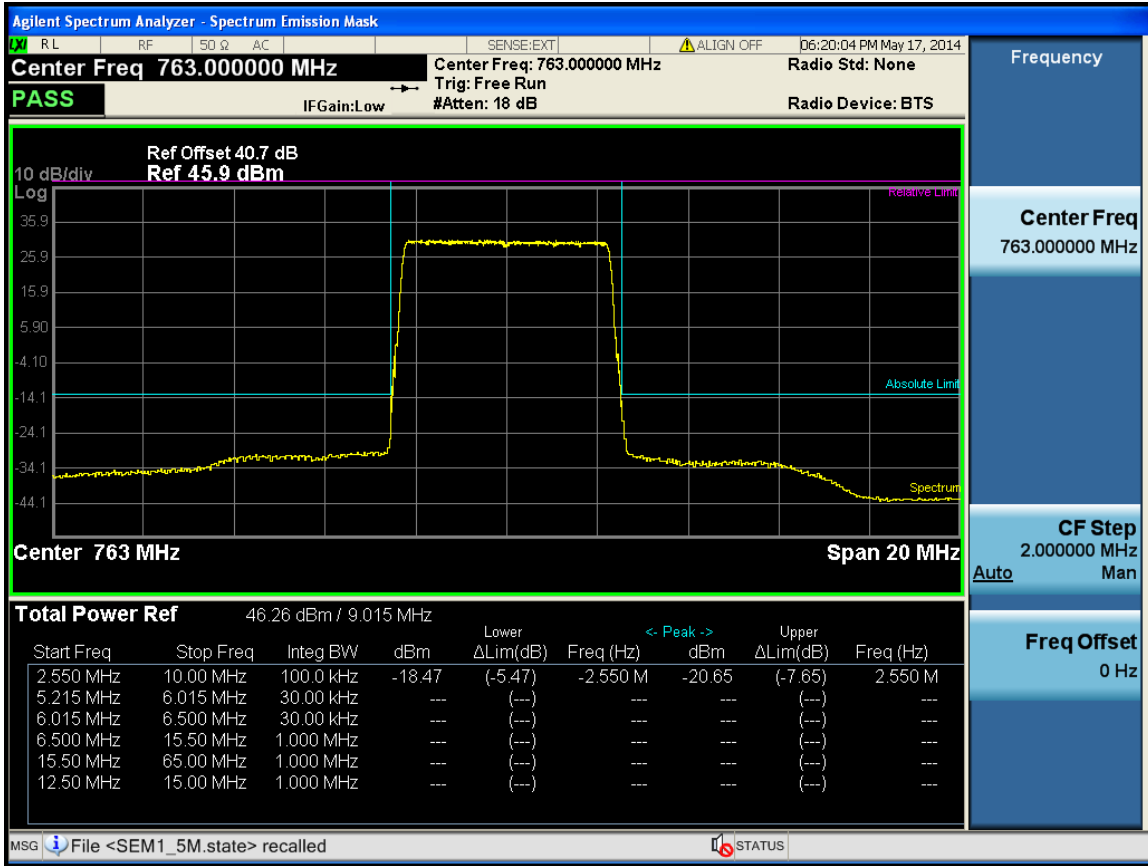
5M -Port 2 -753.5MHz



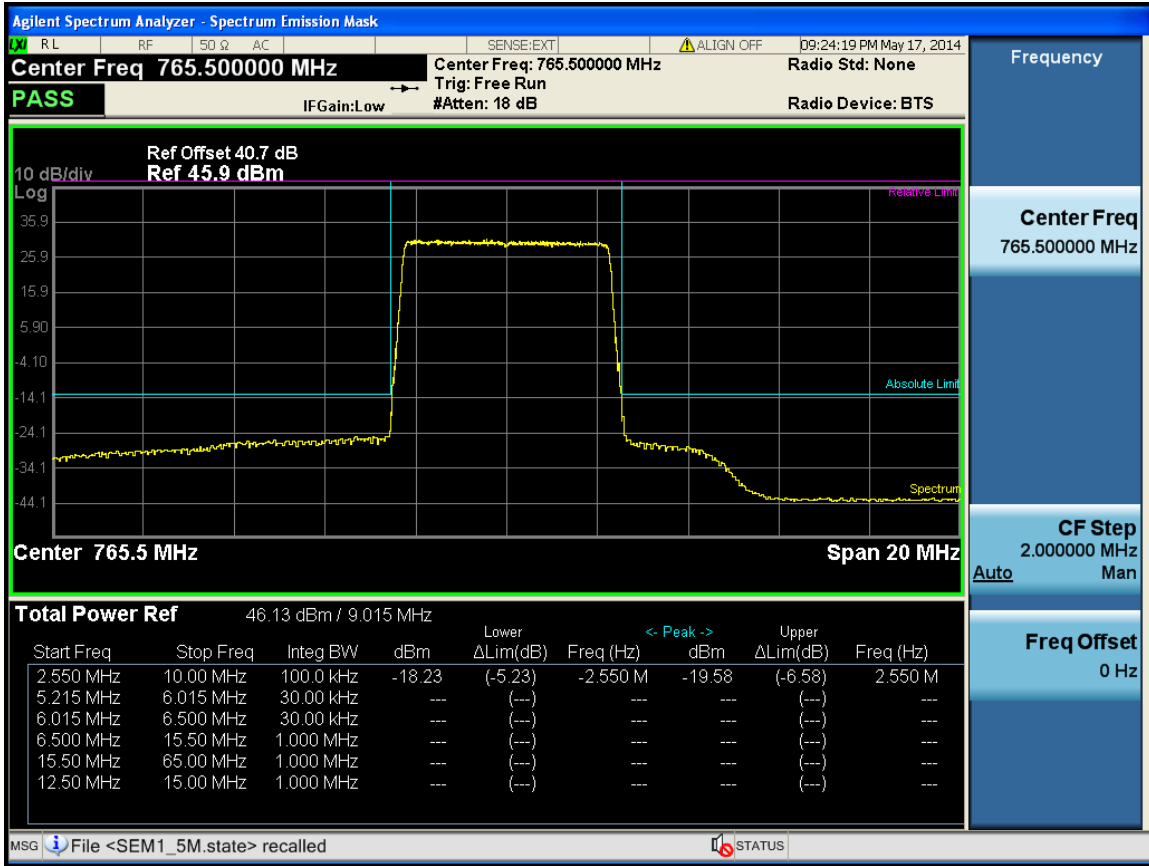
5M -Port 2 -760.5MHz



5M -Port 2 -763MHz



5M -Port 2 -765.51MHz



12 FREQUENCY STABILITY

Applicable Standard: FCC § 2.1055

Requirements: FCC § 2.1055 (a)(d), The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
GZ-ESPEC	Temperature Chamber	EW0470	06113028	2013.12.06	2014.12.06
Agilent	MXA Series Spectrum Analyzer	N9030A	MY49431143	2013.06.18	2014.06.18
DTS	DTS 40dB Attenuator	DTS100-40-3-1	09112005	2013.07.19	2014.07.19

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

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to a Spectrum Analyzer via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 150 minutes, the frequency output was recorded from the counter.

Frequency Stability vs. Voltage: An external variable DC power supply Source. The voltage was set to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the end point. The output frequency was recorded for each voltage.

Environmental Conditions

Normal condition:	25° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

Test Result: Pass

Test Mode: Transmitting LTE

Test Data

Frequency Stability Versus Temperature

Frequency Stability vs Temperature (Channel Bandwidth:10M Frequency :751MHz)							
Temperature (°C)	Power Supplied (V _{DC})	Port	Frequency Measure Error (Hz)	E-TM	Limit (ppm)	Limit (Hz)	Result
-40	-48	1	0.323	TM2.0	0.05	37.3	PASS
			0.293	TM3.1	0.05	37.3	PASS
			0.291	TM3.2	0.05	37.3	PASS
			0.206	TM3.3	0.05	37.3	PASS
		2	0.825	TM2.0	0.05	37.3	PASS
			0.258	TM3.1	0.05	37.3	PASS
			0.119	TM3.2	0.05	37.3	PASS
			1.530	TM3.3	0.05	37.3	PASS
-30	-48	1	1.117	TM2.0	0.05	37.3	PASS
			0.334	TM3.1	0.05	37.3	PASS
			0.047	TM3.2	0.05	37.3	PASS
			0.382	TM3.3	0.05	37.3	PASS
		2	0.172	TM2.0	0.05	37.3	PASS
			1.768	TM3.1	0.05	37.3	PASS
			2.534	TM3.2	0.05	37.3	PASS
			0.228	TM3.3	0.05	37.3	PASS
-20	-48	1	0.052	TM2.0	0.05	37.3	PASS
			0.515	TM3.1	0.05	37.3	PASS
			0.201	TM3.2	0.05	37.3	PASS
			0.591	TM3.3	0.05	37.3	PASS
		2	0.206	TM2.0	0.05	37.3	PASS

			0.014	TM3.1	0.05	37.3	PASS
			0.063	TM3.2	0.05	37.3	PASS
			0.313	TM3.3	0.05	37.3	PASS
-10	1		0.037	TM2.0	0.05	37.3	PASS
			0.547	TM3.1	0.05	37.3	PASS
			0.604	TM3.2	0.05	37.3	PASS
			0.143	TM3.3	0.05	37.3	PASS
	2		0.172	TM2.0	0.05	37.3	PASS
			0.156	TM3.1	0.05	37.3	PASS
			0.401	TM3.2	0.05	37.3	PASS
			0.101	TM3.3	0.05	37.3	PASS
0	1		0.068	TM2.0	0.05	37.3	PASS
			0.030	TM3.1	0.05	37.3	PASS
			0.281	TM3.2	0.05	37.3	PASS
			0.137	TM3.3	0.05	37.3	PASS
	2		0.160	TM2.0	0.05	37.3	PASS
			0.182	TM3.1	0.05	37.3	PASS
			0.490	TM3.2	0.05	37.3	PASS
			0.069	TM3.3	0.05	37.3	PASS
10	1		1.010	TM2.0	0.05	37.3	PASS
			0.233	TM3.1	0.05	37.3	PASS
			0.162	TM3.2	0.05	37.3	PASS
			0.150	TM3.3	0.05	37.3	PASS
	2		0.090	TM2.0	0.05	37.3	PASS
			0.173	TM3.1	0.05	37.3	PASS
			0.013	TM3.2	0.05	37.3	PASS
			0.020	TM3.3	0.05	37.3	PASS
20	1		0.430	TM2.0	0.05	37.3	PASS
			0.532	TM3.1	0.05	37.3	PASS
			0.564	TM3.2	0.05	37.3	PASS
			0.113	TM3.3	0.05	37.3	PASS
	2		0.678	TM2.0	0.05	37.3	PASS
			0.156	TM3.1	0.05	37.3	PASS
			0.418	TM3.2	0.05	37.3	PASS
			0.132	TM3.3	0.05	37.3	PASS
30	1		0.768	TM2.0	0.05	37.3	PASS
			1.030	TM3.1	0.05	37.3	PASS
			0.281	TM3.2	0.05	37.3	PASS

		2	0.137	TM3.3	0.05	37.3	PASS
			2.168	TM2.0	0.05	37.3	PASS
			2.183	TM3.1	0.05	37.3	PASS
			0.498	TM3.2	0.05	37.3	PASS
			0.269	TM3.3	0.05	37.3	PASS
40		1	0.100	TM2.0	0.05	37.3	PASS
			0.333	TM3.1	0.05	37.3	PASS
			0.264	TM3.2	0.05	37.3	PASS
			0.815	TM3.3	0.05	37.3	PASS
		2	1.090	TM2.0	0.05	37.3	PASS
			1.121	TM3.1	0.05	37.3	PASS
			1.018	TM3.2	0.05	37.3	PASS
			1.412	TM3.3	0.05	37.3	PASS
50		1	1.801	TM2.0	0.05	37.3	PASS
			1.324	TM3.1	0.05	37.3	PASS
			0.264	TM3.2	0.05	37.3	PASS
			0.815	TM3.3	0.05	37.3	PASS
		2	1.999	TM2.0	0.05	37.3	PASS
			1.123	TM3.1	0.05	37.3	PASS
			0.010	TM3.2	0.05	37.3	PASS
			0.853	TM3.3	0.05	37.3	PASS
55		1	0.822	TM2.0	0.05	37.3	PASS
			1.511	TM3.1	0.05	37.3	PASS
			0.330	TM3.2	0.05	37.3	PASS
			0.715	TM3.3	0.05	37.3	PASS
		2	1.999	TM2.0	0.05	37.3	PASS
			1.123	TM3.1	0.05	37.3	PASS
			0.010	TM3.2	0.05	37.3	PASS
			0.853	TM3.3	0.05	37.3	PASS

Frequency Stability Versus Voltage

Frequency Stability vs Voltage (Channel Bandwidth:10M Frequency :751MHz)							
Power Supplied (V _{DC})	Temperature (°C)	Port	Frequency Measure Error (Hz)	E-TM	Limit (ppm)	Limit (Hz)	Result
-40	20	1	1.503	TM2.0	0.05	37.3	PASS

			0.821	TM3.1	0.05	37.3	PASS
			0.080	TM3.2	0.05	37.3	PASS
			0.107	TM3.3	0.05	37.3	PASS
			2	1.548	TM2.0	0.05	37.3
1.417		TM3.1		0.05	37.3	PASS	
0.537		TM3.2		0.05	37.3	PASS	
0.407		TM3.3		0.05	37.3	PASS	
-44		1	0.371	TM2.0	0.05	37.3	PASS
			0.744	TM3.1	0.05	37.3	PASS
			1.238	TM3.2	0.05	37.3	PASS
			3.040	TM3.3	0.05	37.3	PASS
		2	1.088	TM2.0	0.05	37.3	PASS
			0.513	TM3.1	0.05	37.3	PASS
			0..455	TM3.2	0.05	37.3	PASS
			0.137	TM3.3	0.05	37.3	PASS
-48		1	0.719	TM2.0	0.05	37.3	PASS
	0.372		TM3.1	0.05	37.3	PASS	
	0.818		TM3.2	0.05	37.3	PASS	
	0.857		TM3.3	0.05	37.3	PASS	
	2	0.211	TM2.0	0.05	37.3	PASS	
		2.207	TM3.1	0.05	37.3	PASS	
		1.971	TM3.2	0.05	37.3	PASS	
		0.071	TM3.3	0.05	37.3	PASS	
-52	1	0.231	TM2.0	0.05	37.3	PASS	
		0.705	TM3.1	0.05	37.3	PASS	
		0.082	TM3.2	0.05	37.3	PASS	
		2.017	TM3.3	0.05	37.3	PASS	
	2	0.770	TM2.0	0.05	37.3	PASS	
		0.575	TM3.1	0.05	37.3	PASS	
		0.382	TM3.2	0.05	37.3	PASS	
		0.574	TM3.3	0.05	37.3	PASS	
-57	1	0.573	TM2.0	0.05	37.3	PASS	
		0.275	TM3.1	0.05	37.3	PASS	
		0.715	TM3.2	0.05	37.3	PASS	
		0.231	TM3.3	0.05	37.3	PASS	
	2	0.523	TM2.0	0.05	37.3	PASS	
		1.257	TM3.1	0.05	37.3	PASS	
		0.474	TM3.2	0.05	37.3	PASS	

			0.706	TM3.3	0.05	37.3	PASS
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