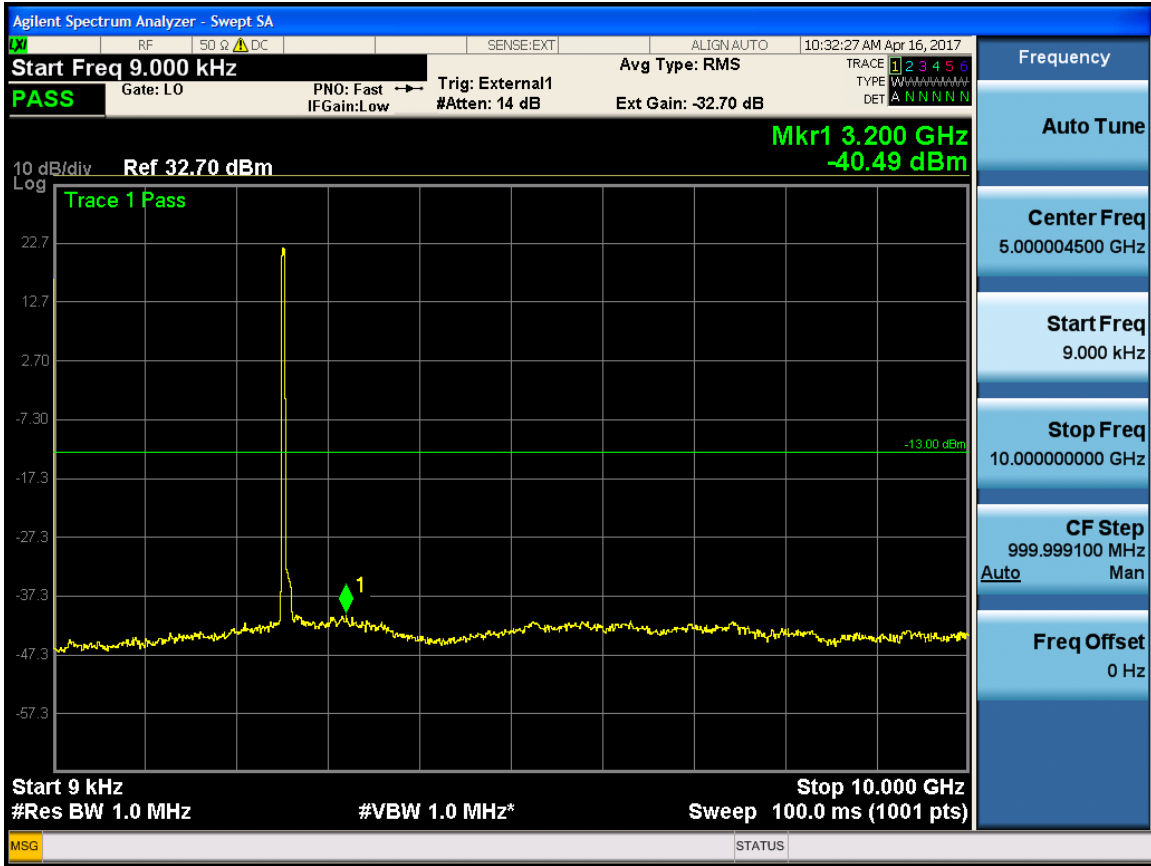
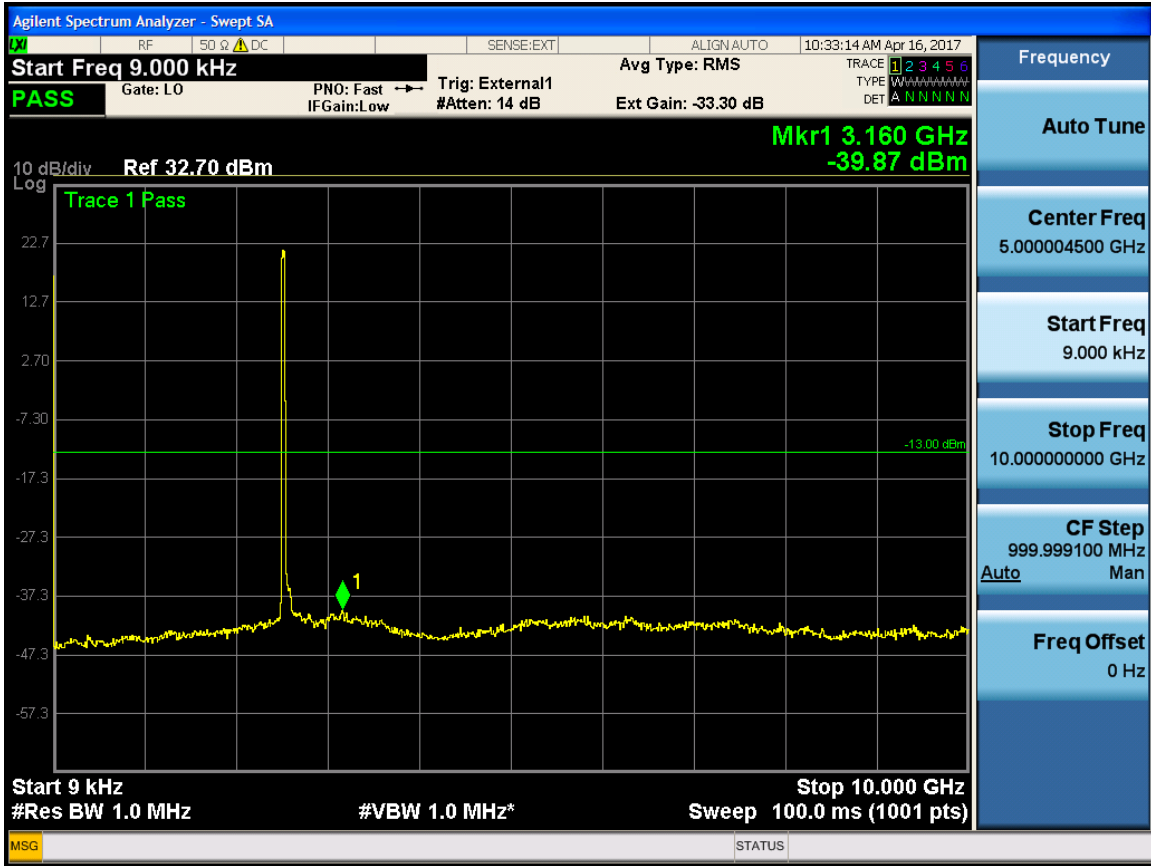


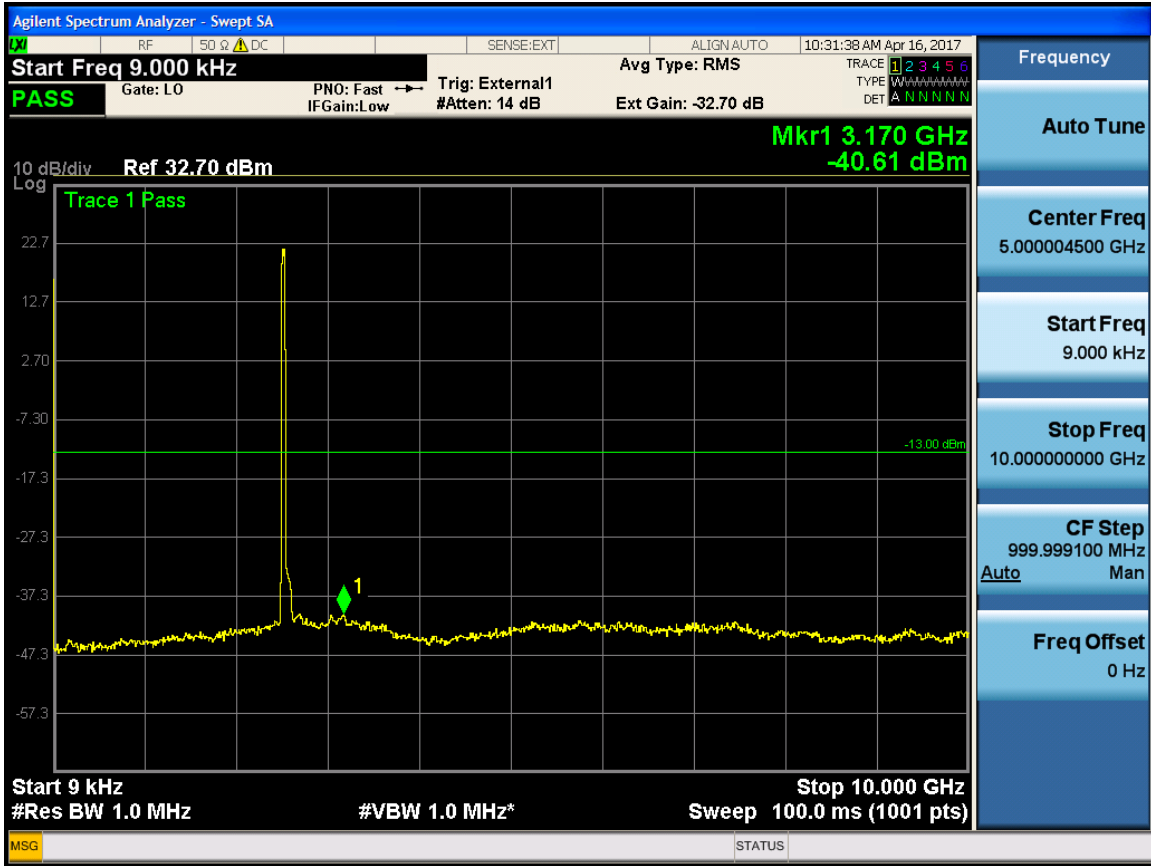
## Two Carrier

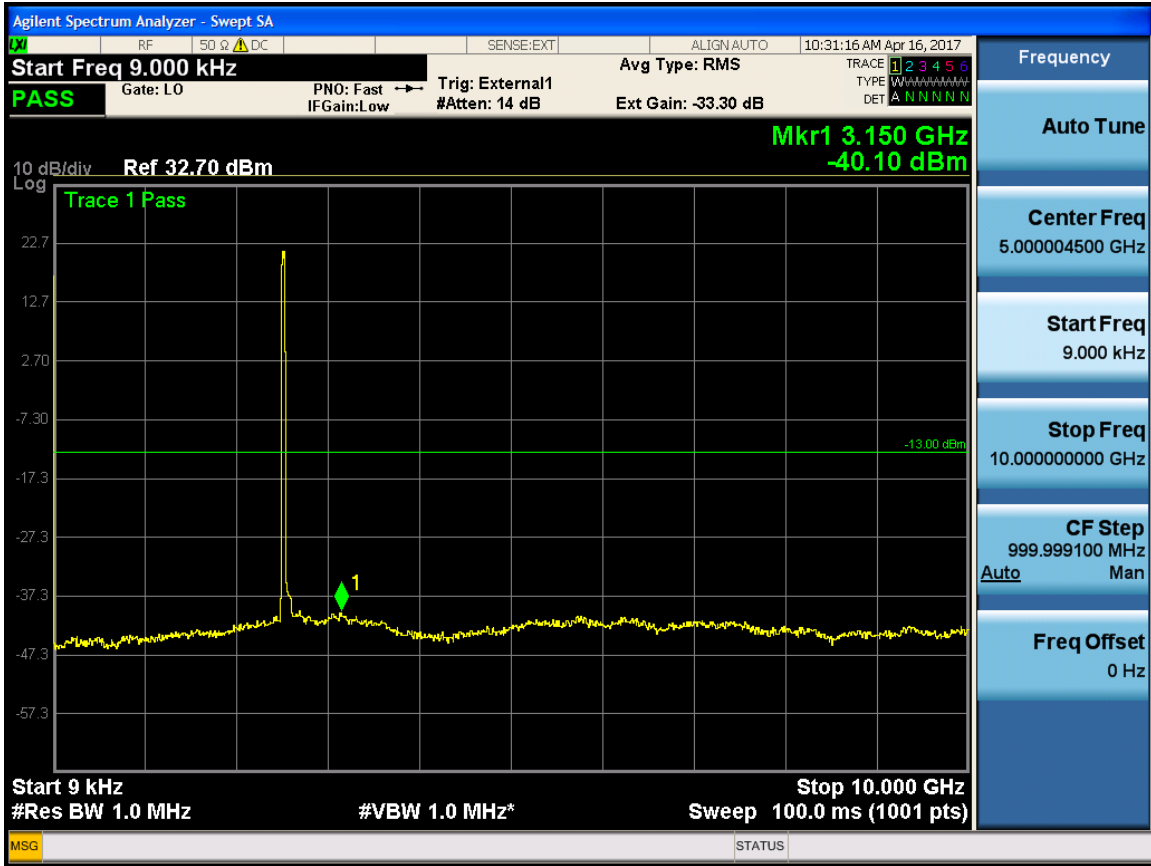
Channel Bandwidth: 20M+20M

Port	Carrier Freq. c1+c2(MHz)	Spurious Emissions								
		QPSK			16QAM			64QAM		
		9k-10G	10G-26.5G	Band Edge	9k-10G	10G-26.5G	Band Edge	9k-10G	10G-26.5G	Band Edge
0	2506+2526	-40.49	-37.11	-15.4	-40.61	-37.14	-16.77	-41.02	-37.01	-20.4
1		-39.87	-36.59	-18.97	-40.1	-36.41	-24.02	-39.96	-36.46	-20.75
0	2539+2559	-40.45	-36.35	-15.21	-40.83	-37.26	-16.12	-40.52	-37.34	-20.42
1		-40.02	-35.81	-15.35	-40.12	-35.64	-16.56	-39.88	-36.57	-20.55
0	2582+2592	-41.03	-36.25	-18.9	-40.58	-36.39	-22.99	-40.63	-36.28	-20.38
1		-40.11	-35.69	-19.44	-39.91	-35.7	-22.99	-39.82	-35.64	-20.45

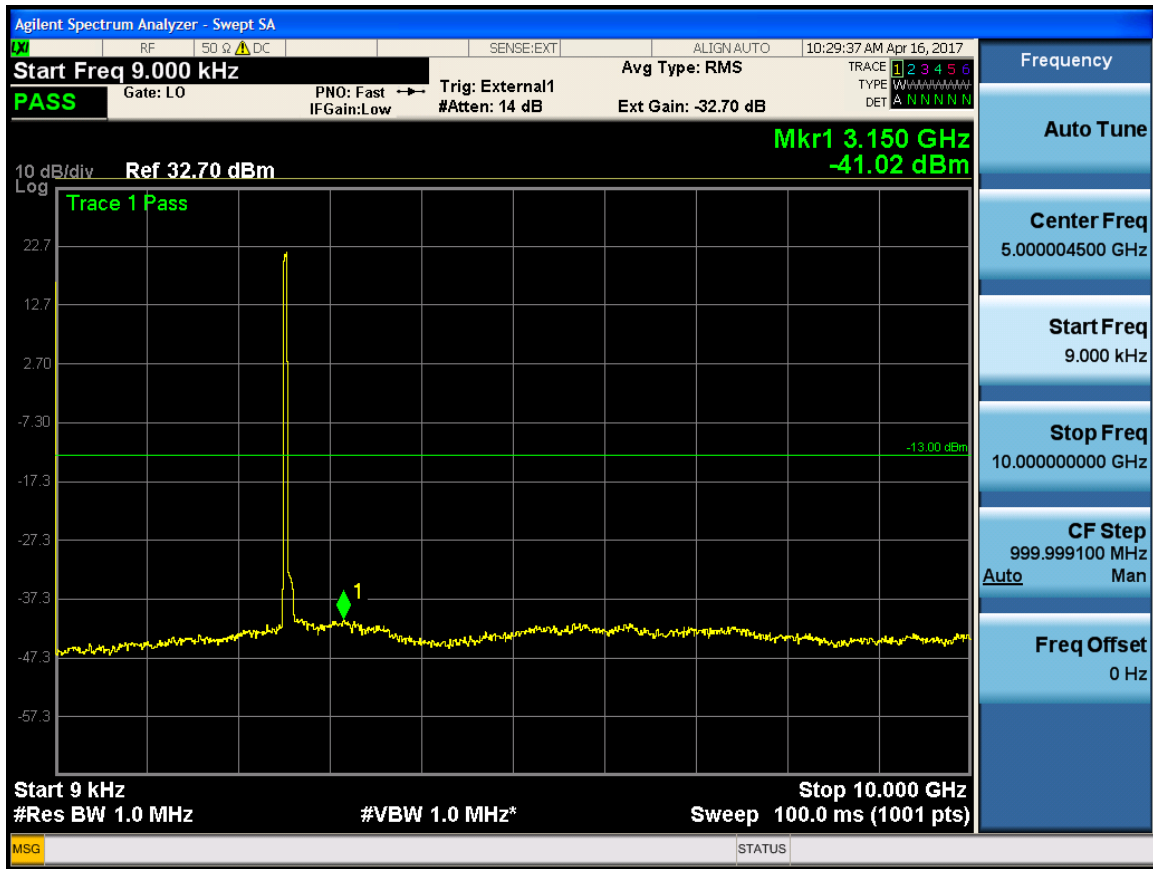


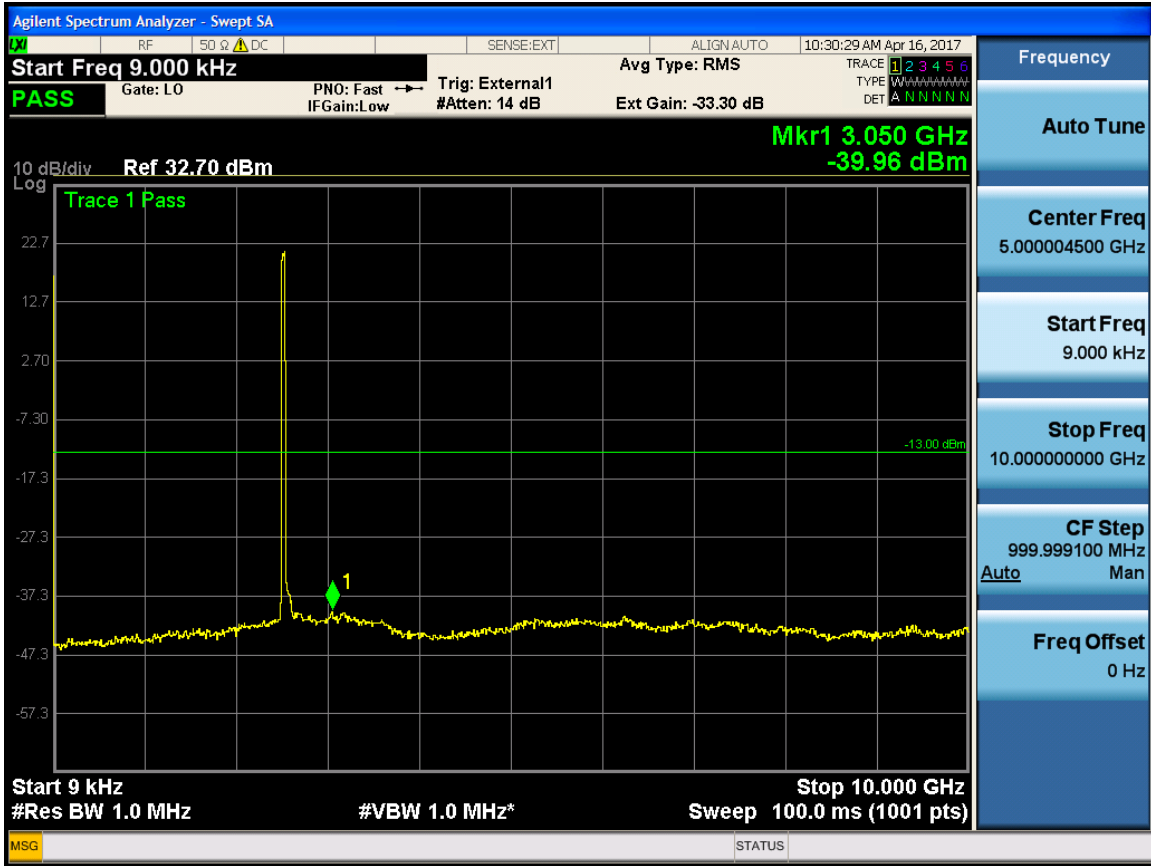


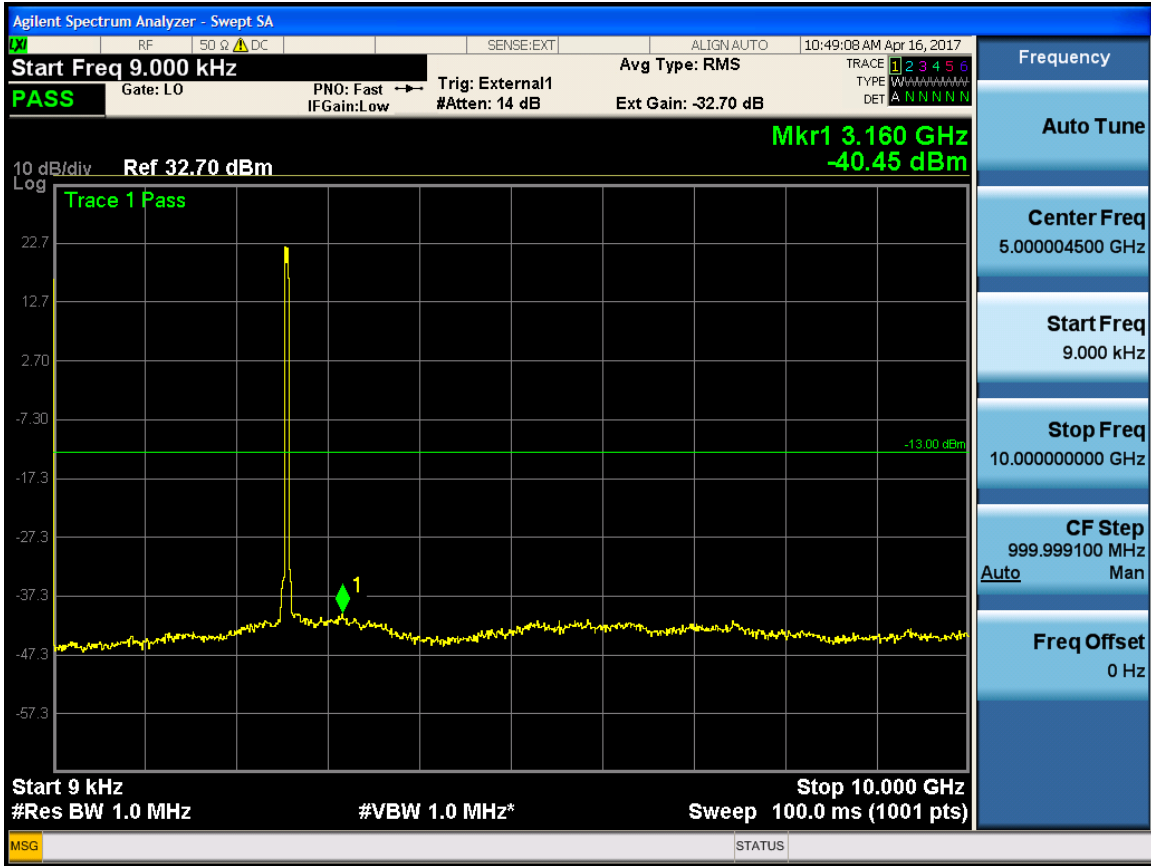


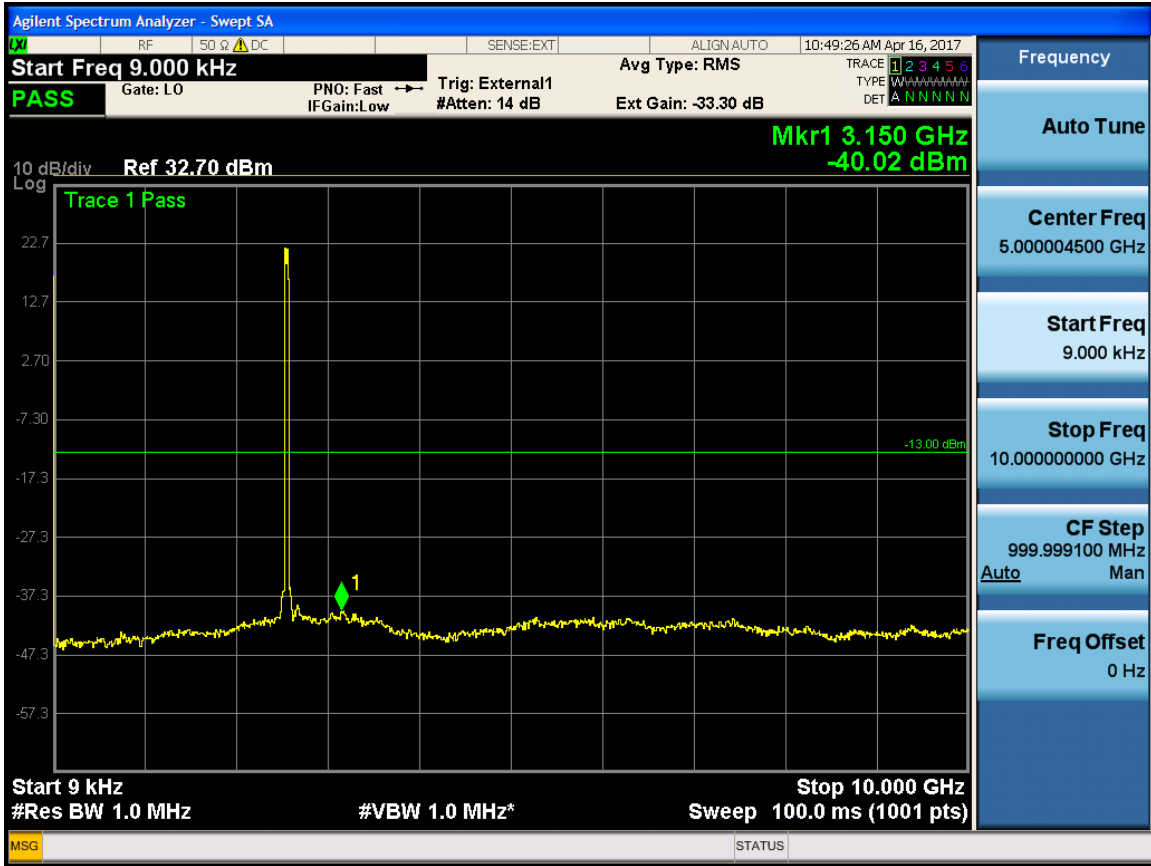


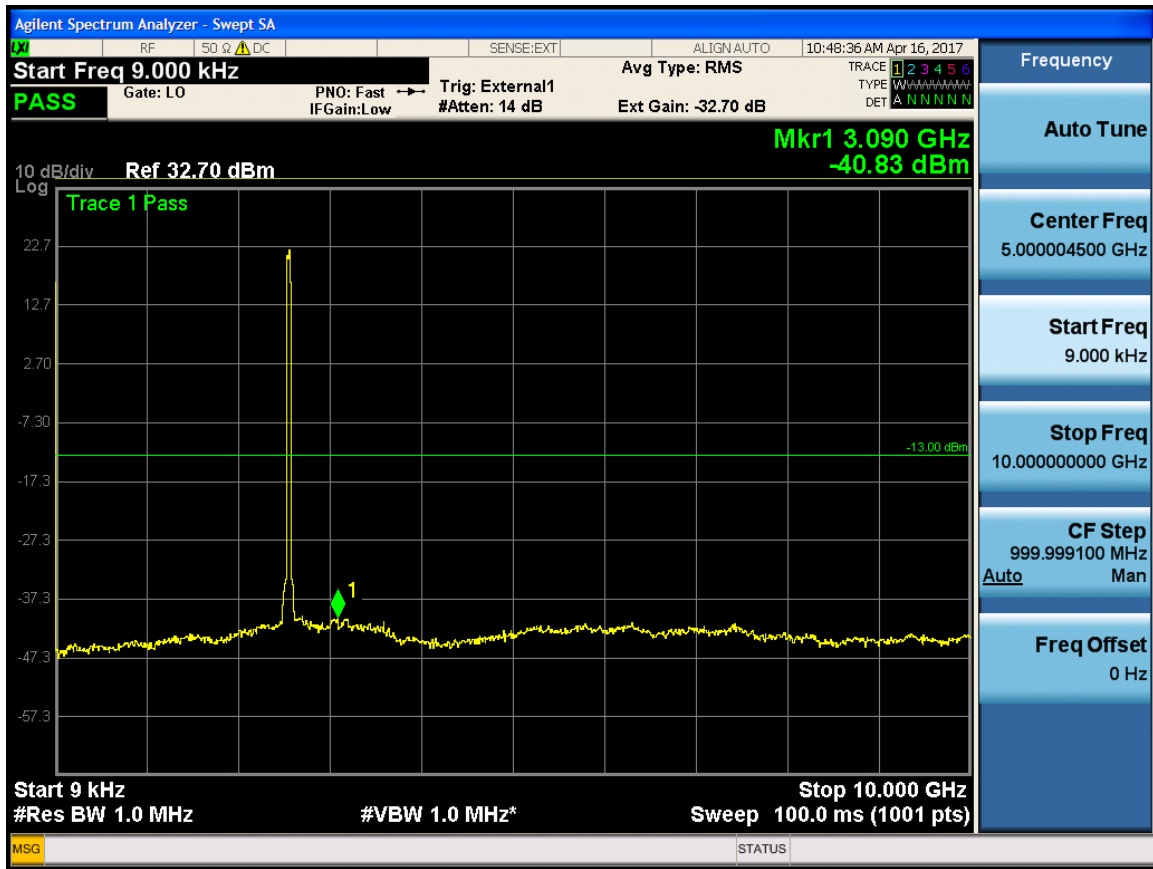


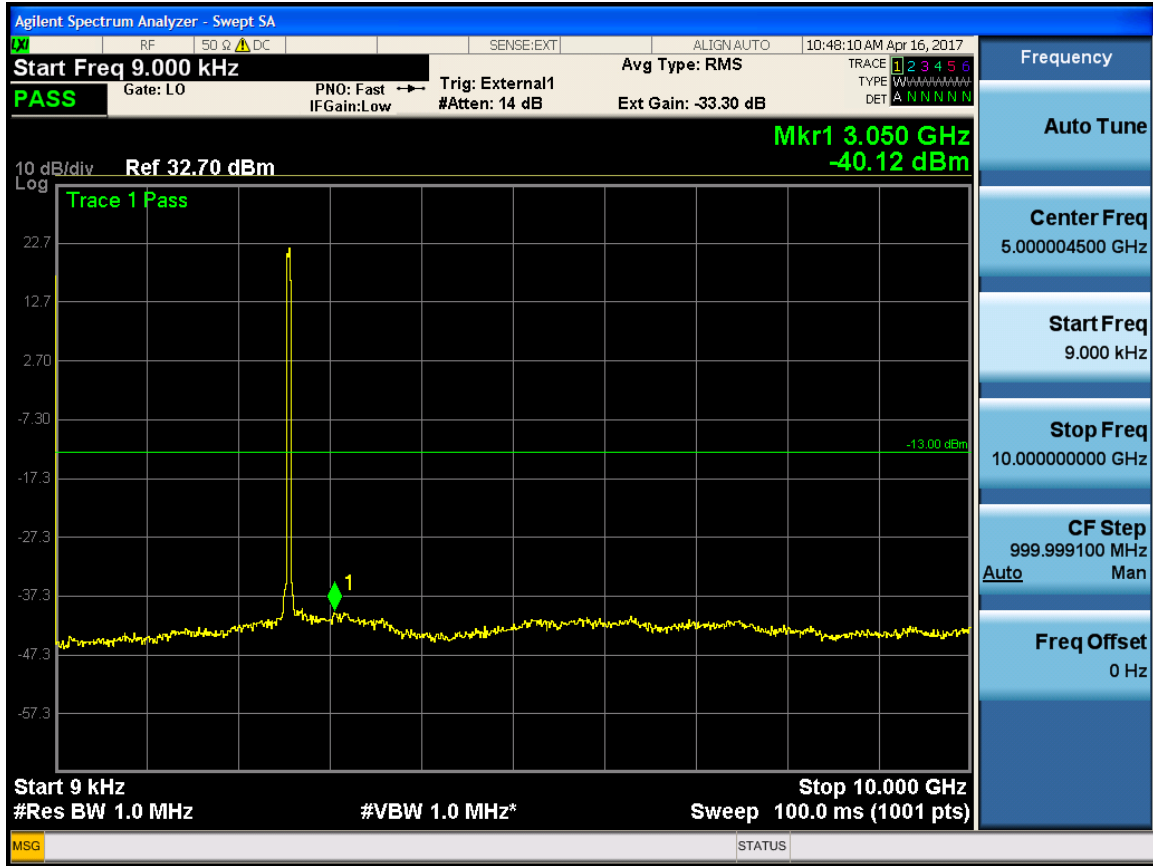


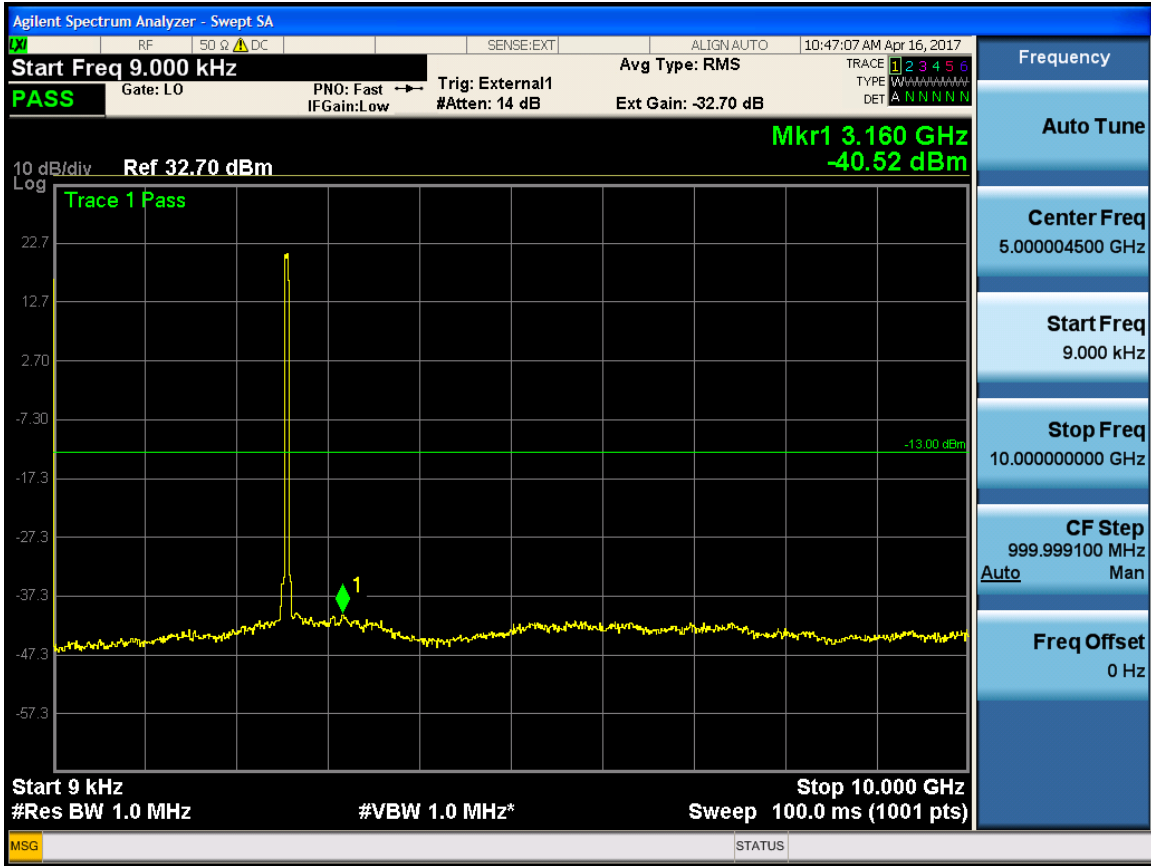


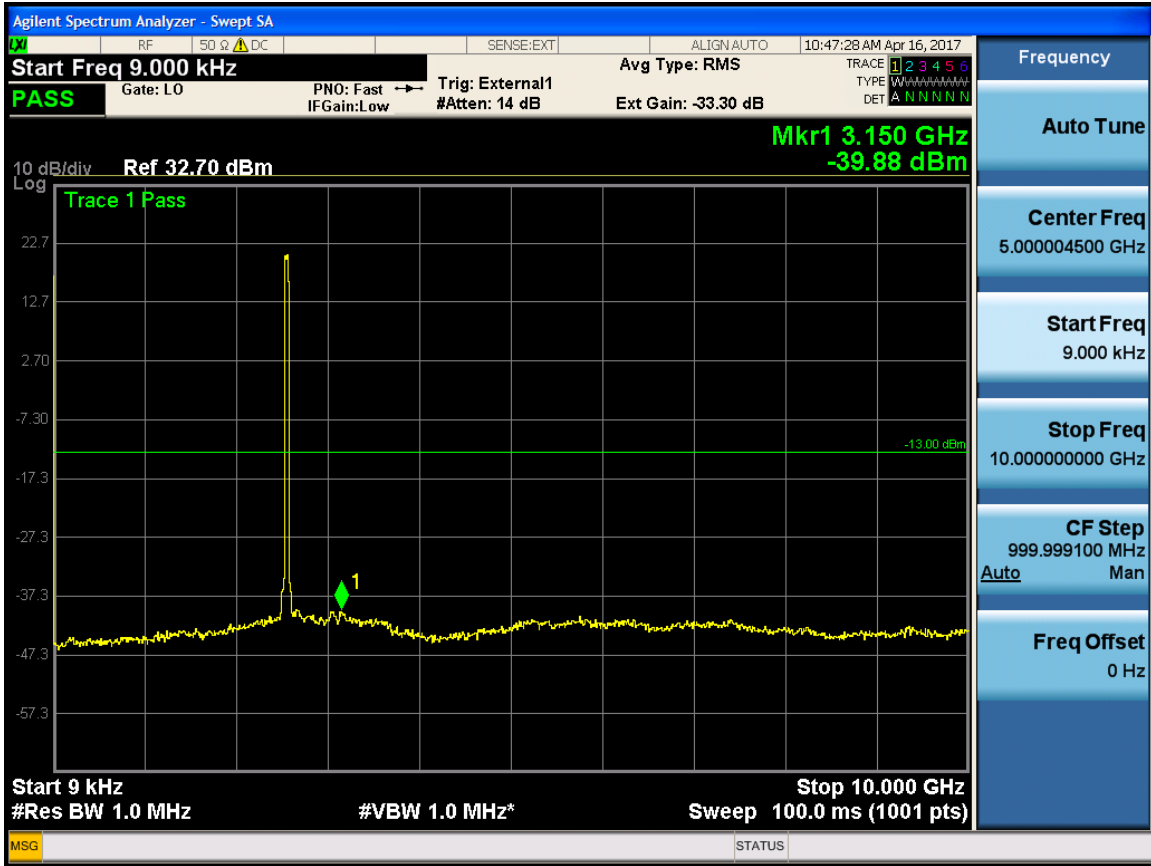




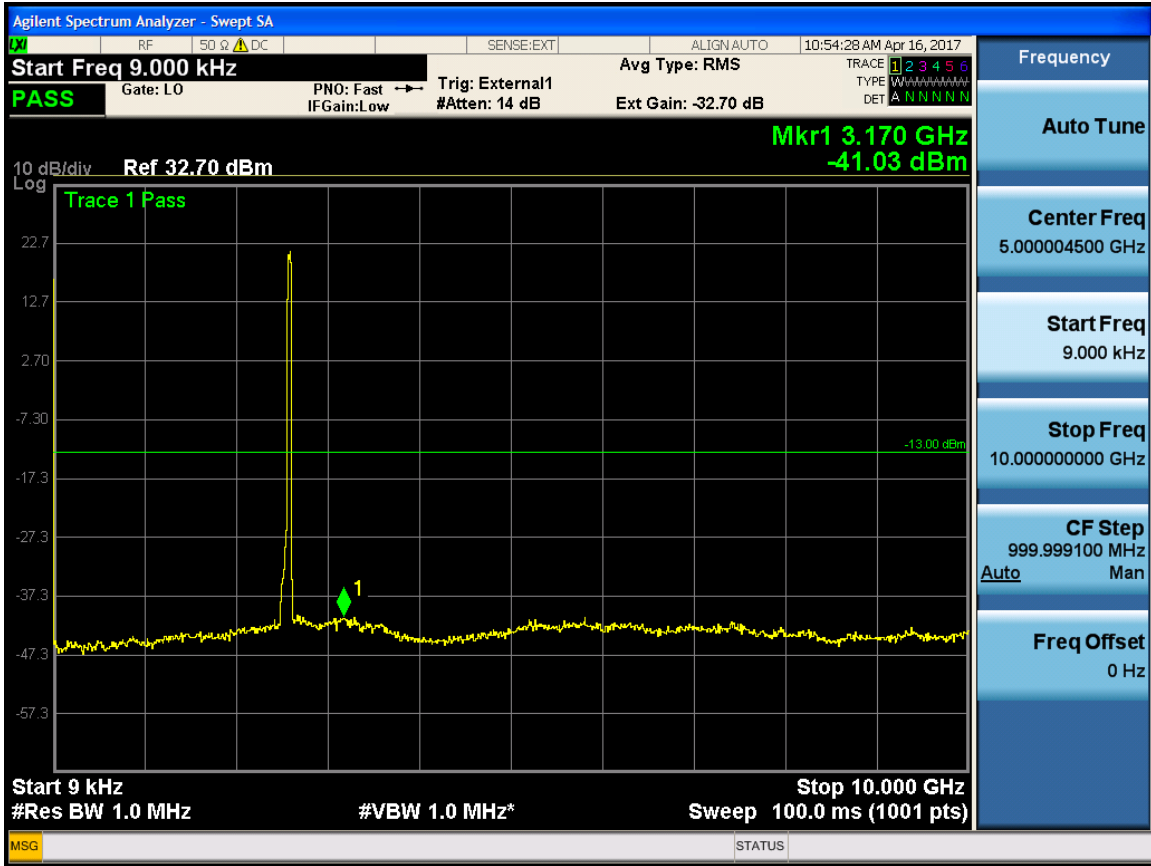


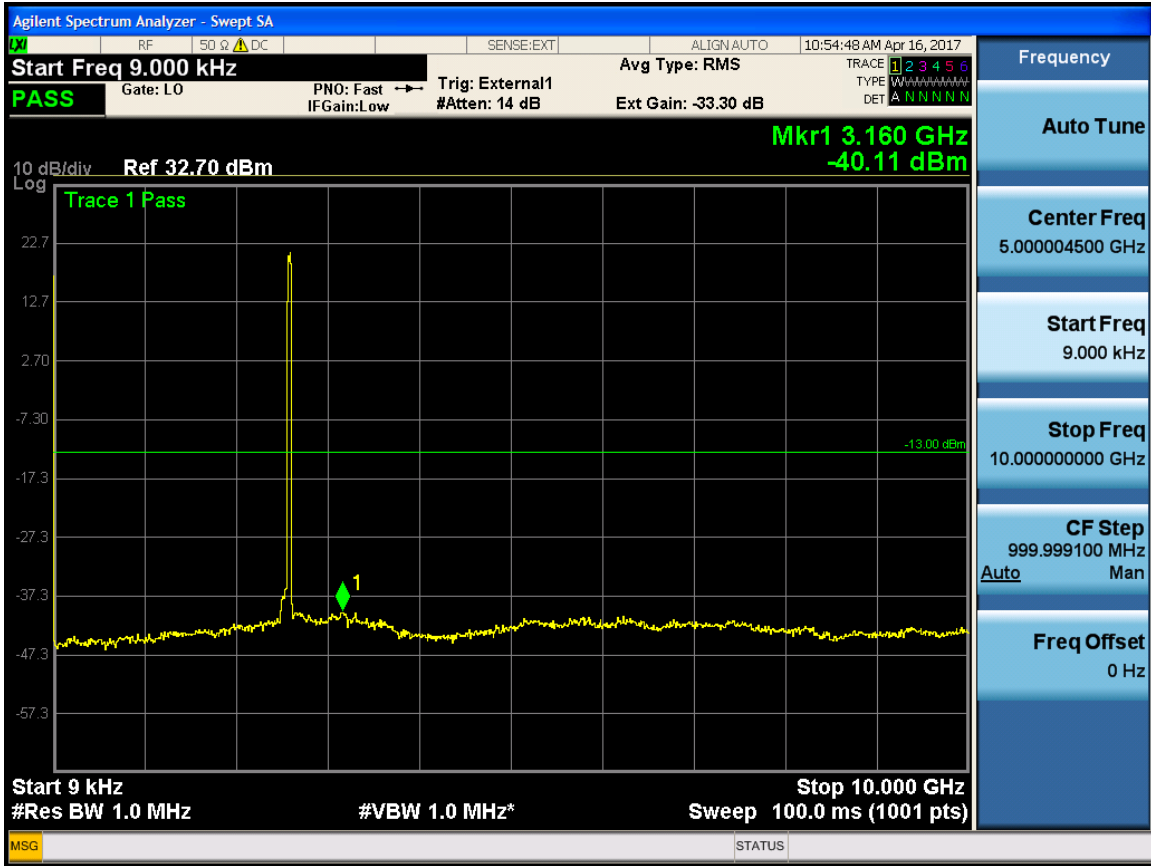


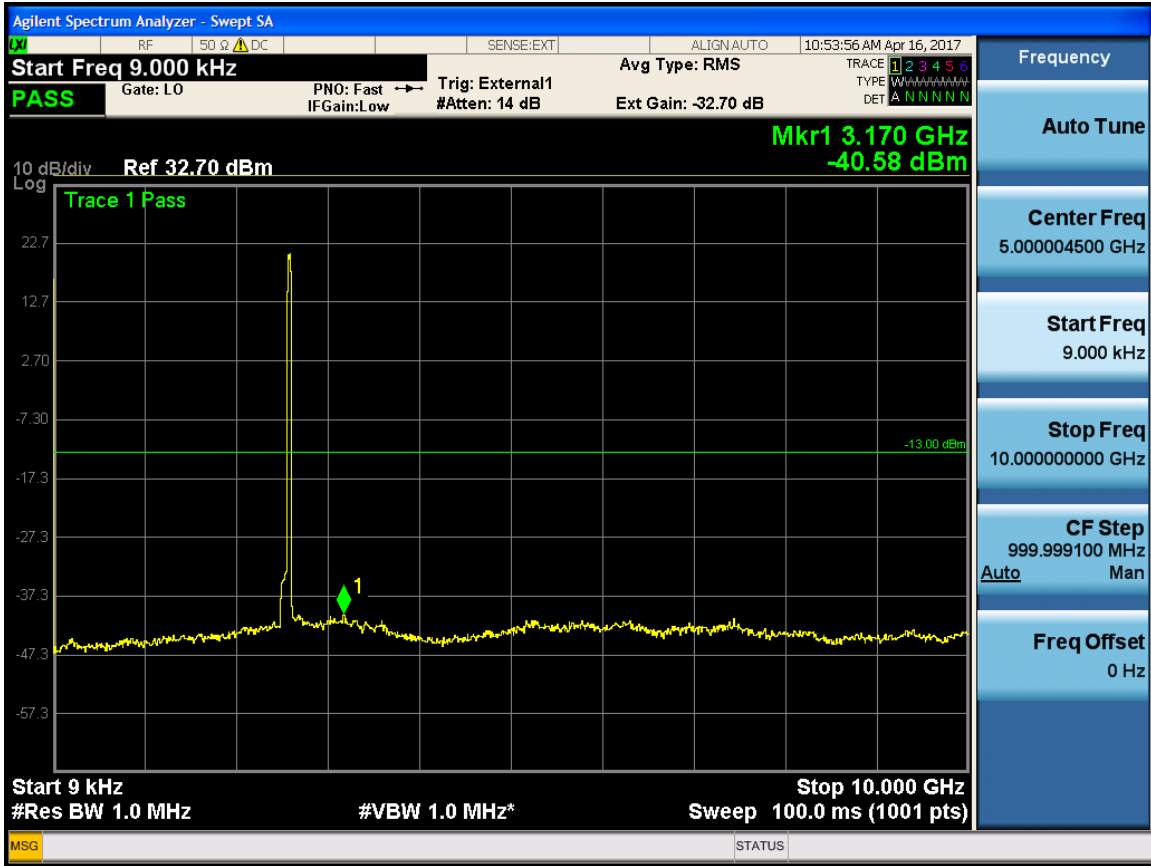


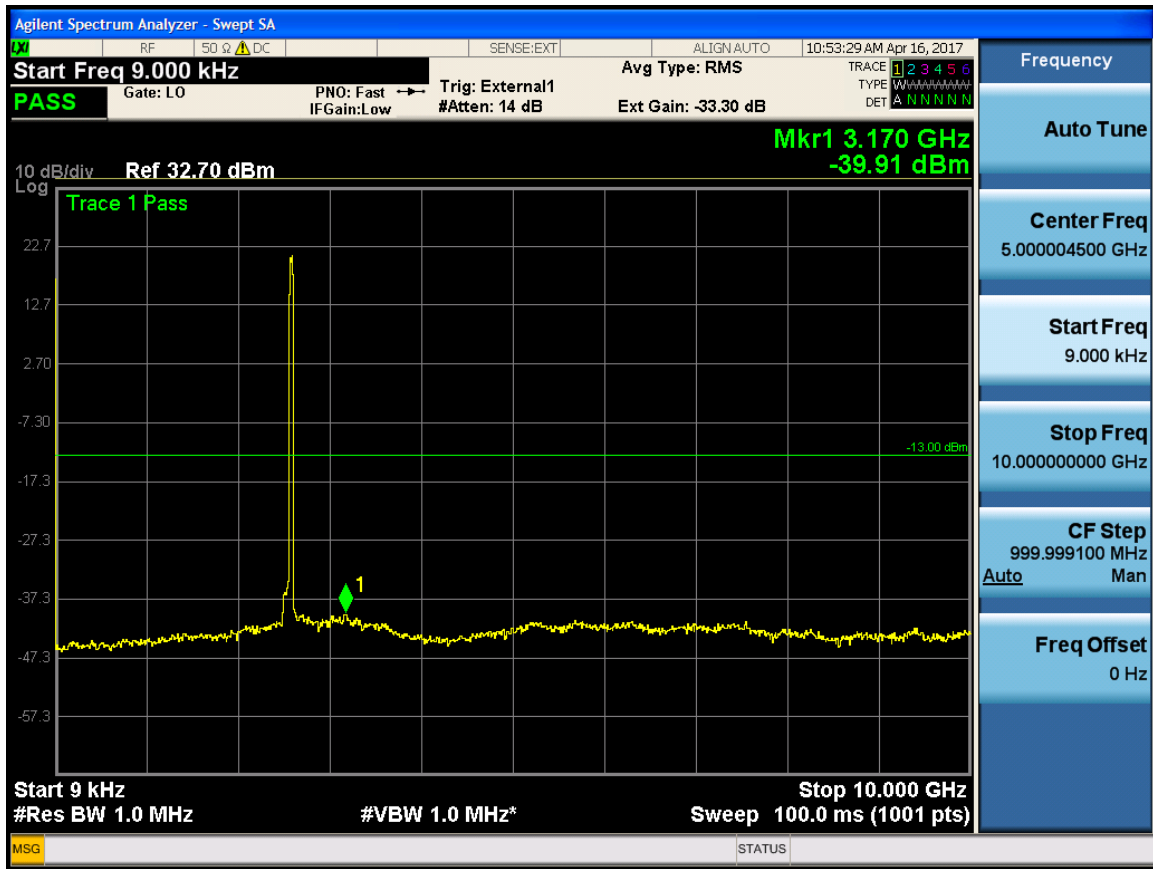


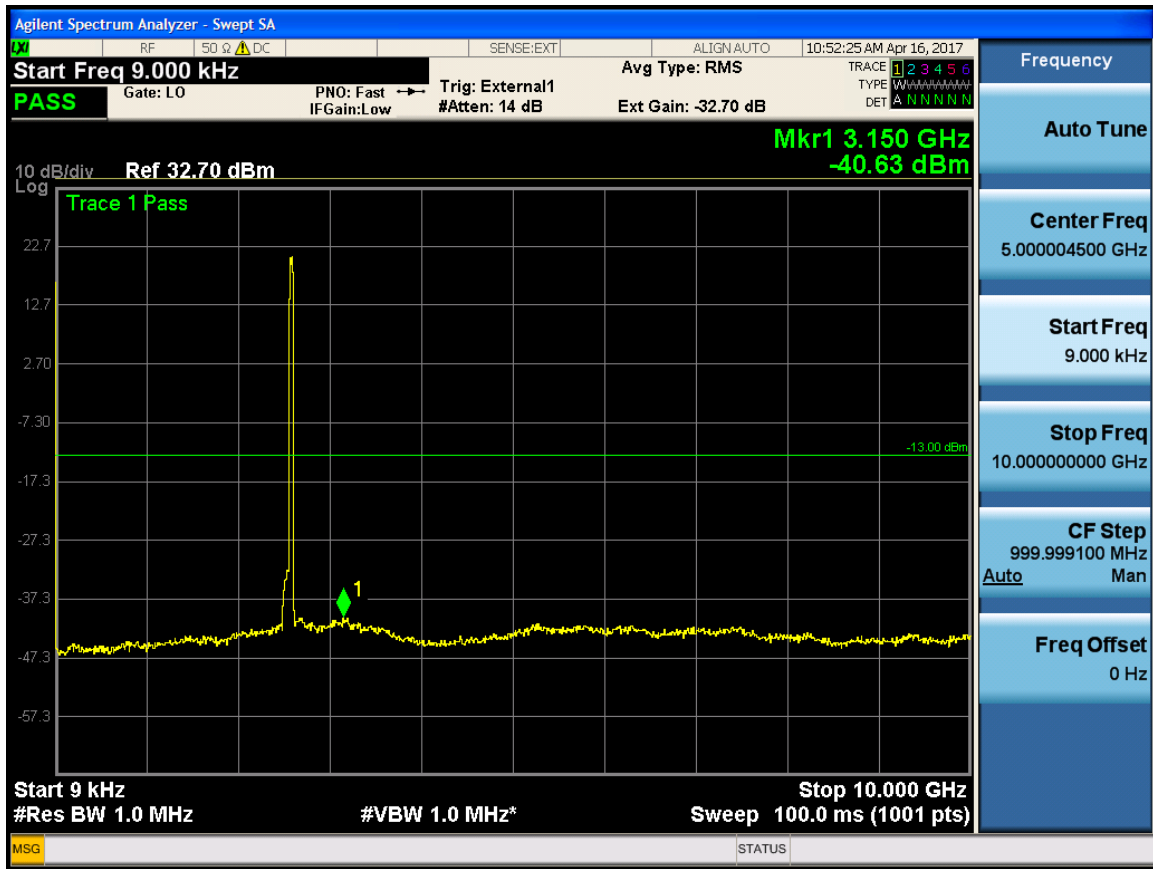


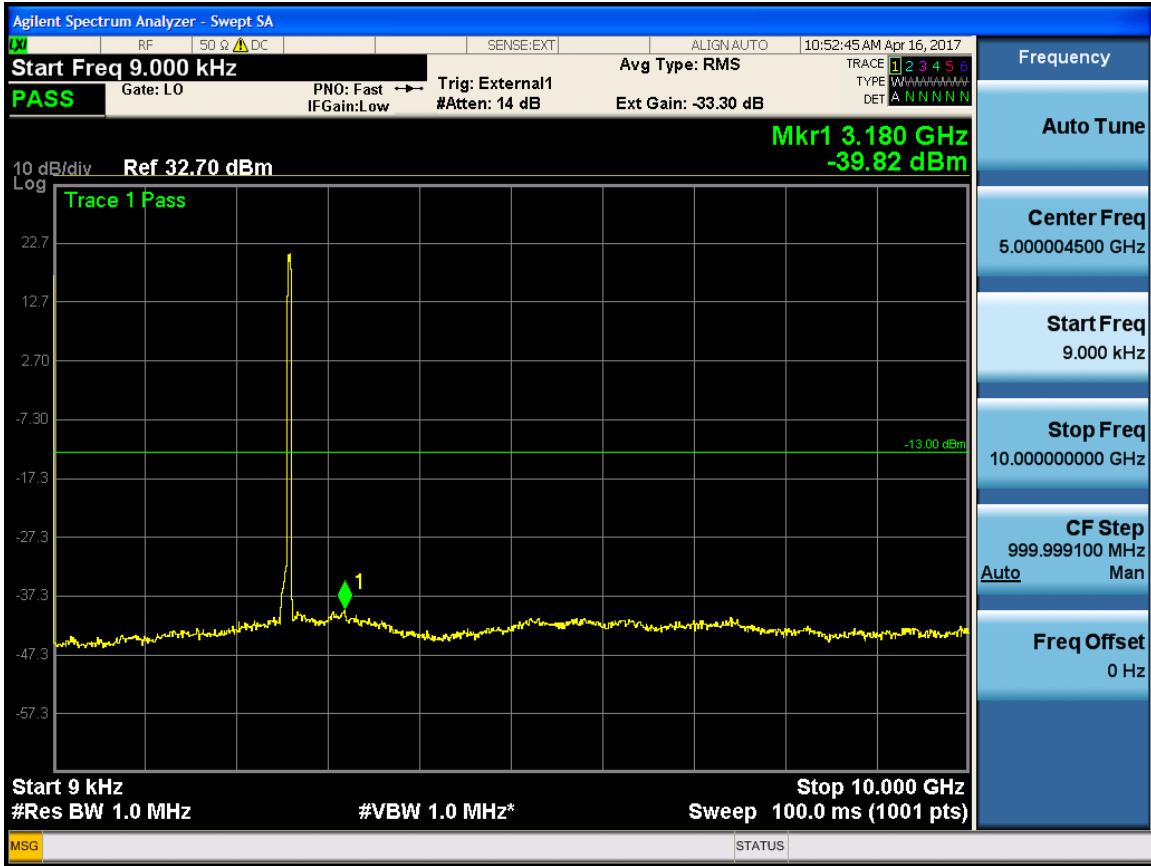










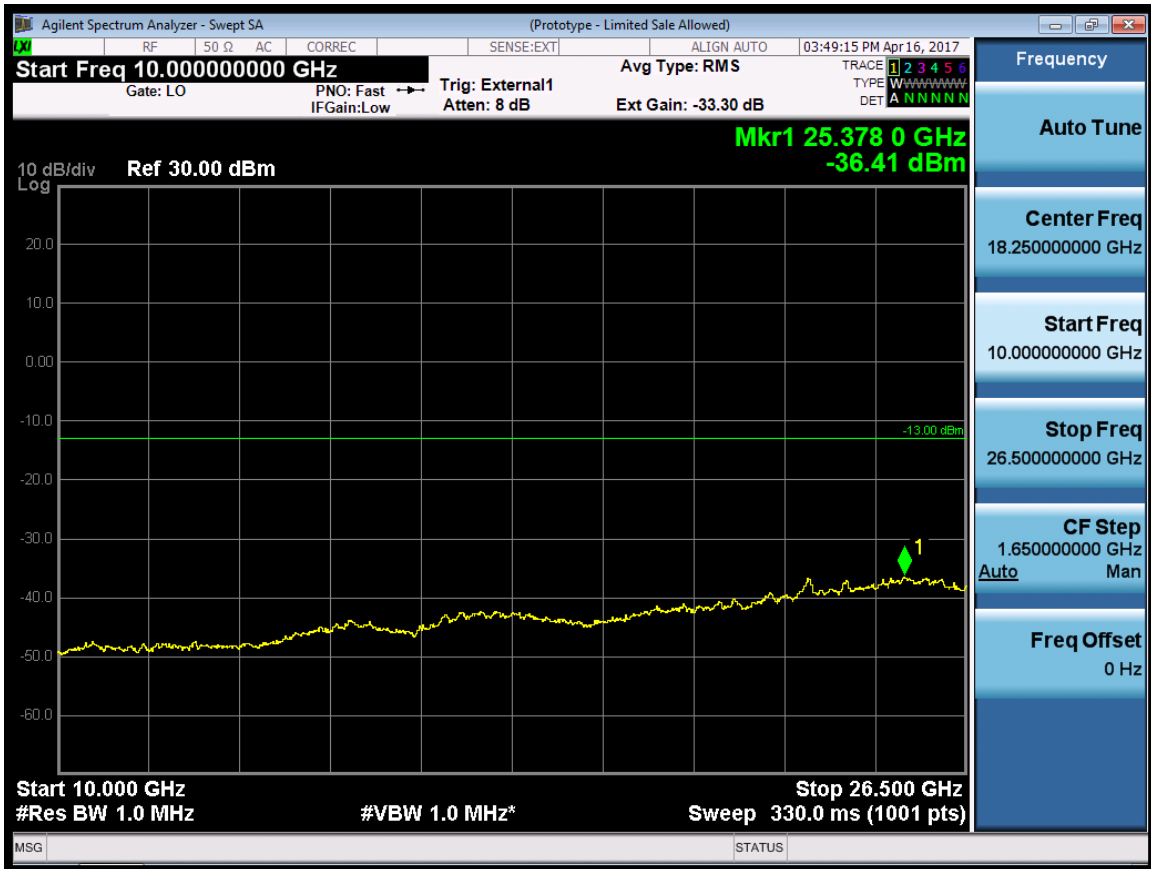


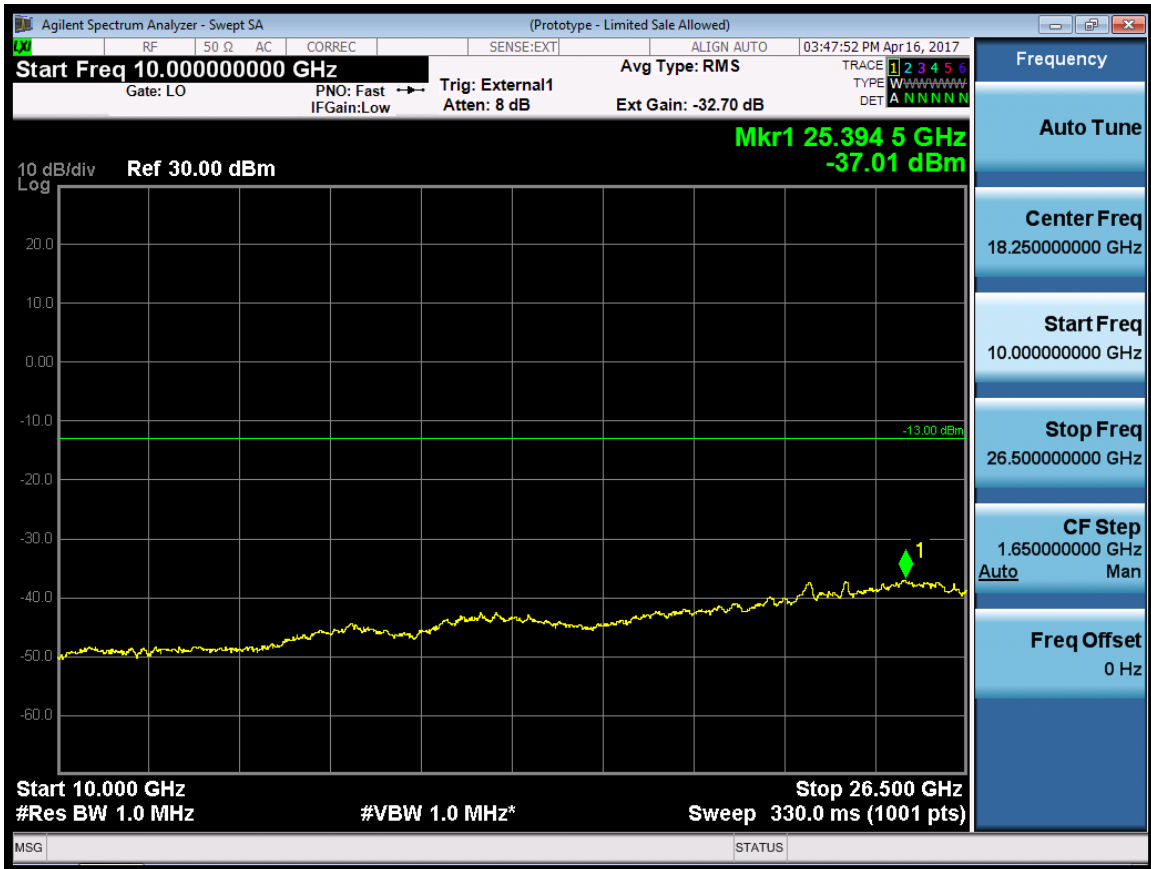




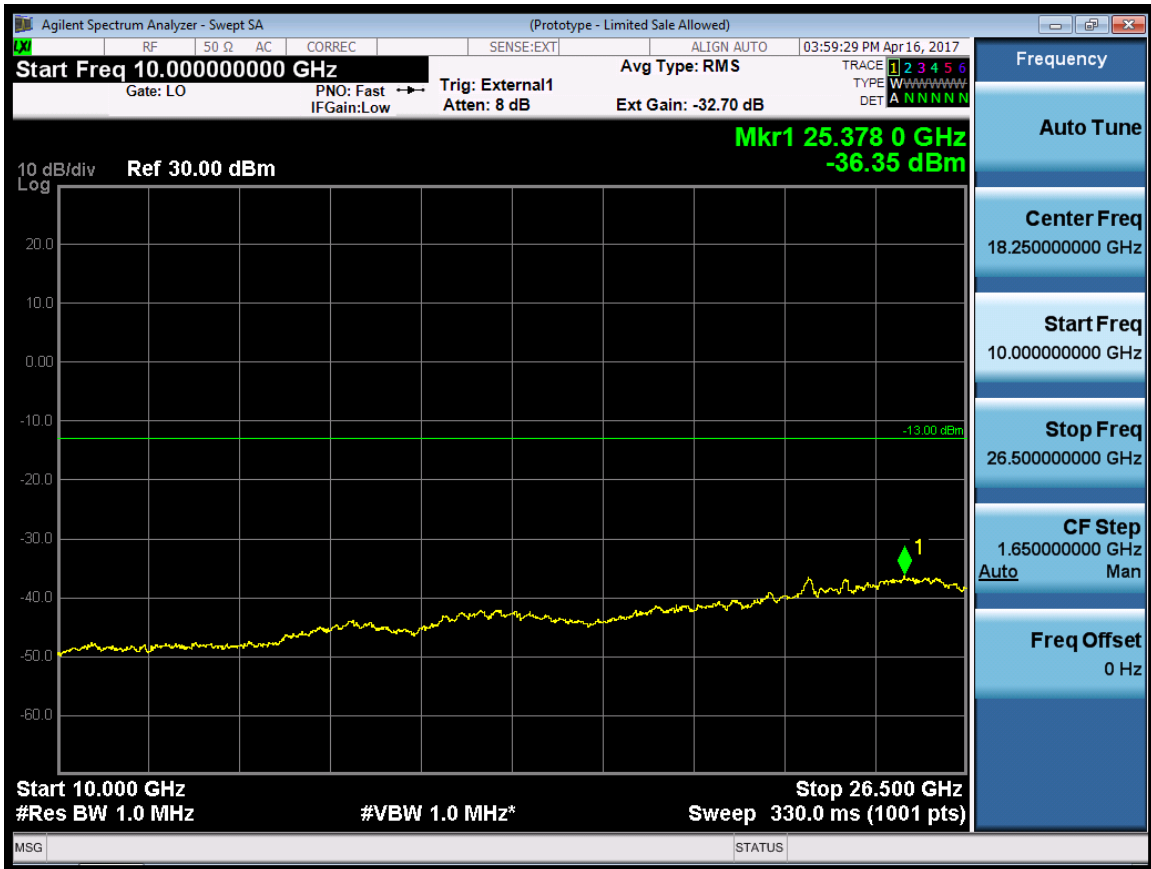


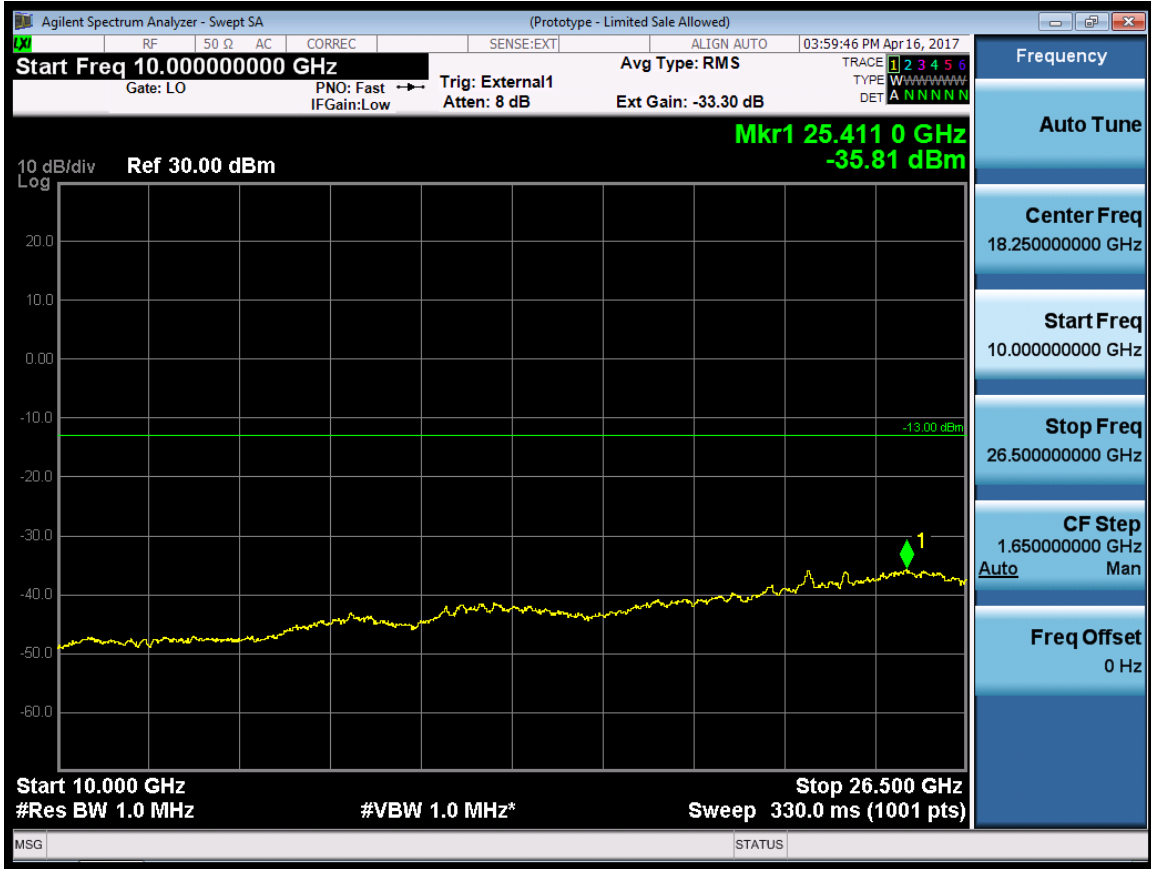








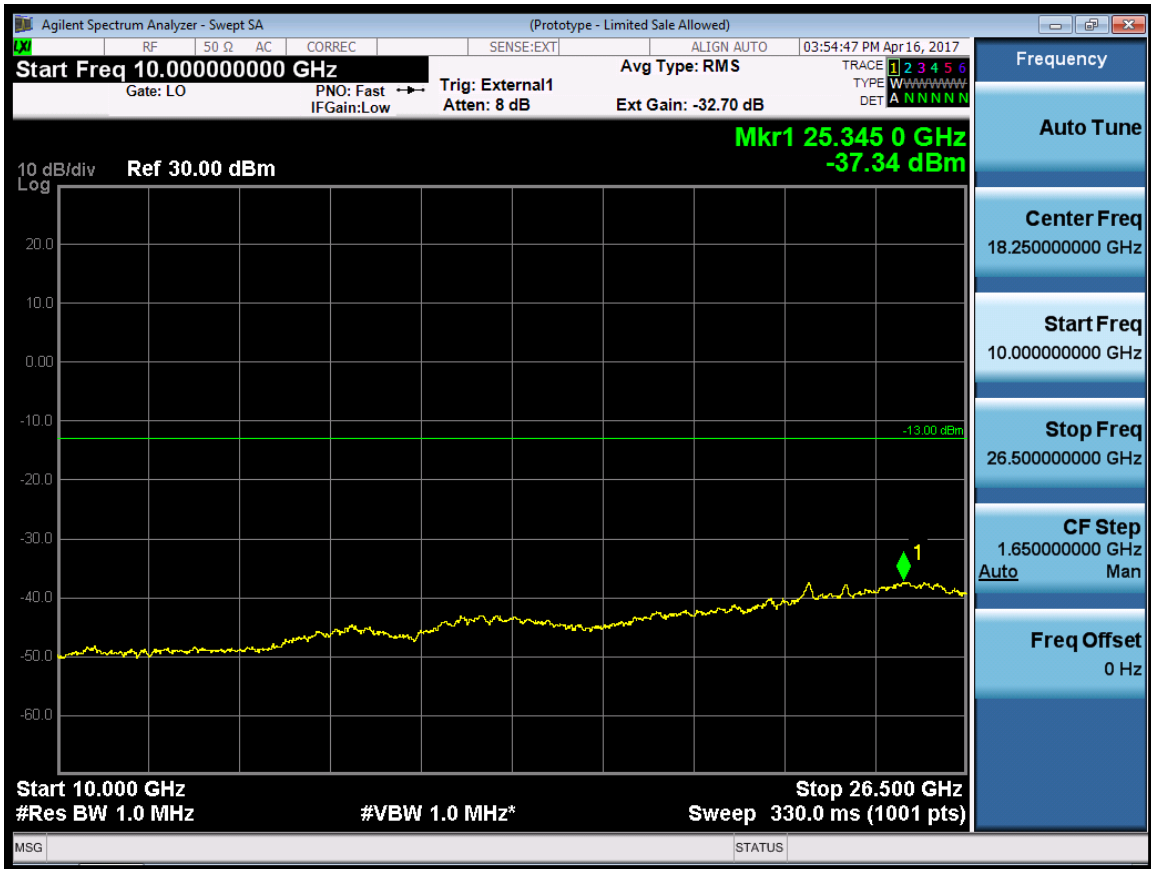


















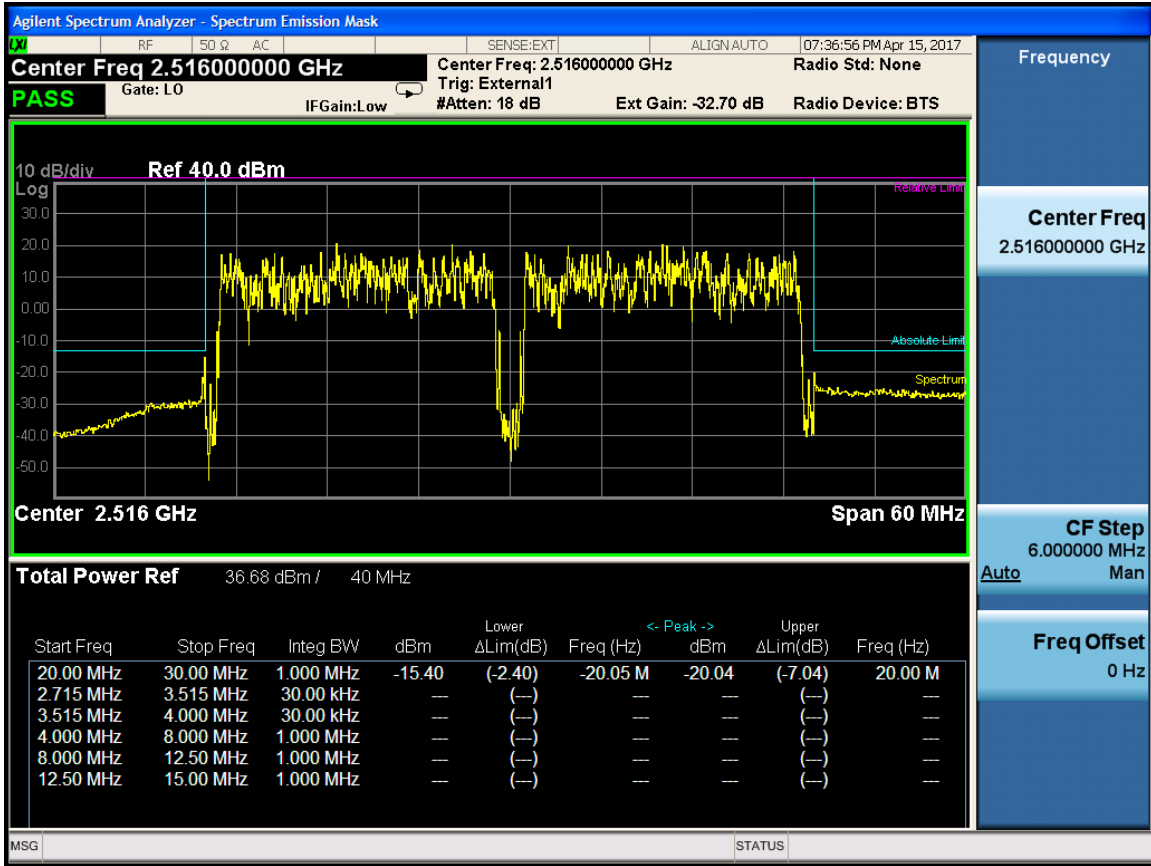


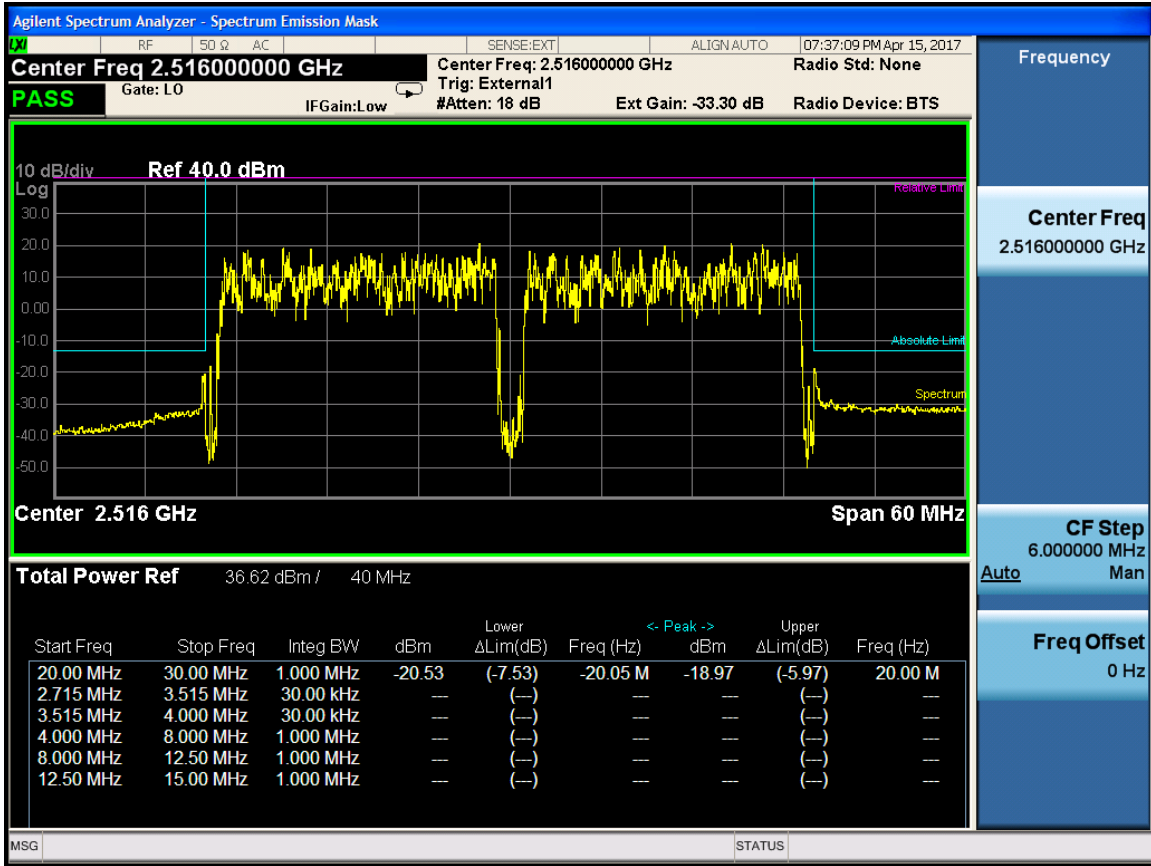


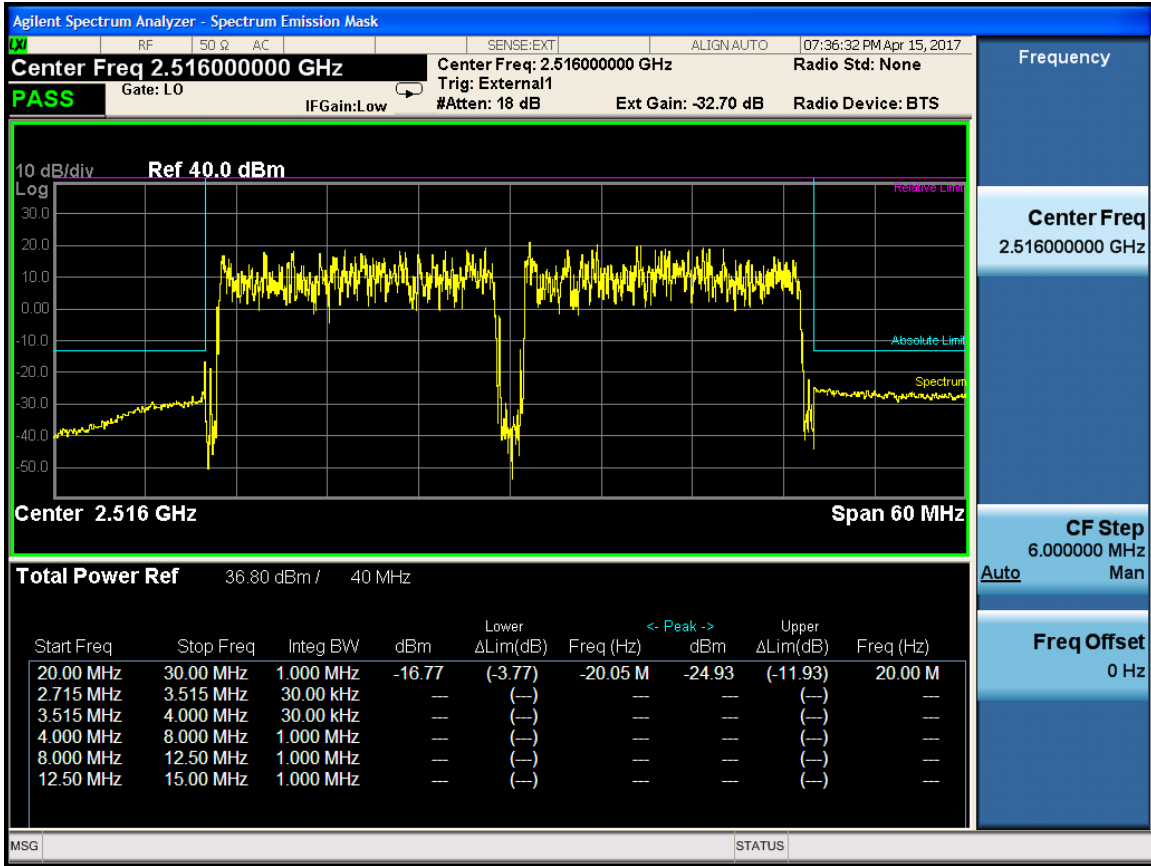


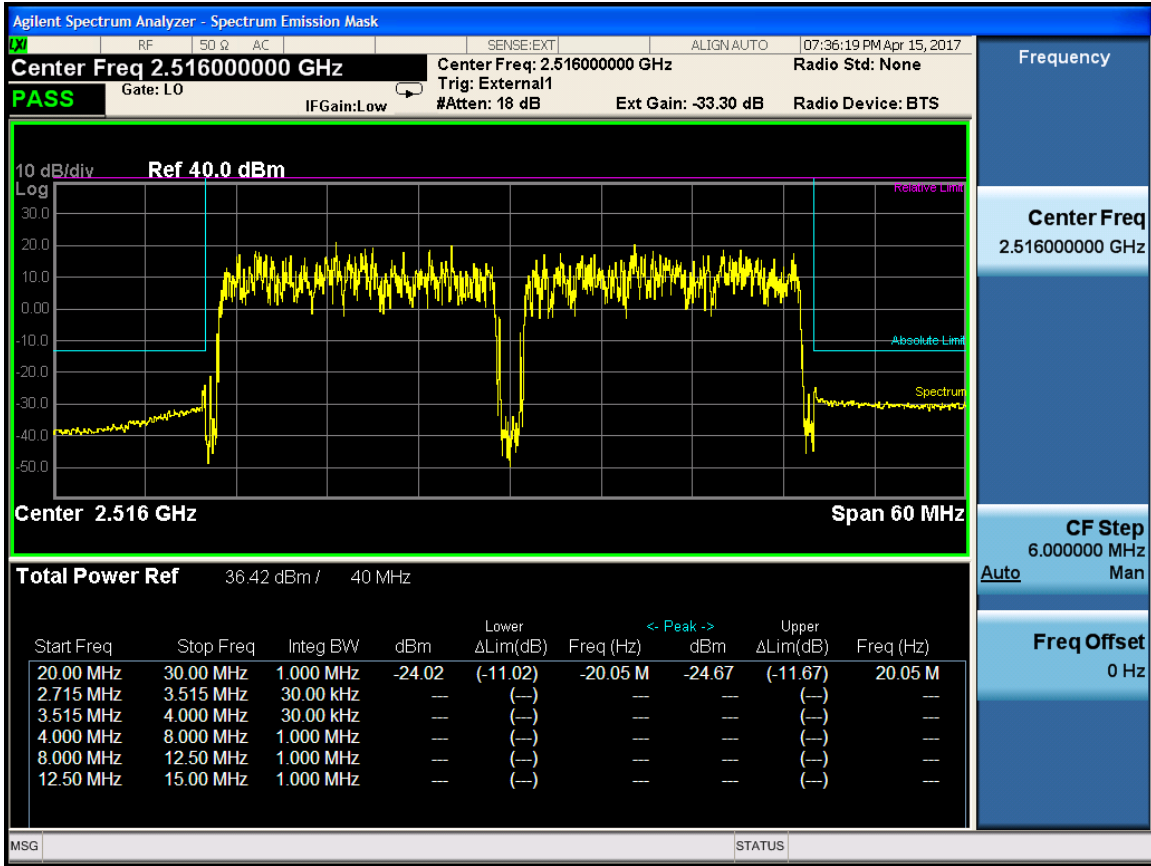


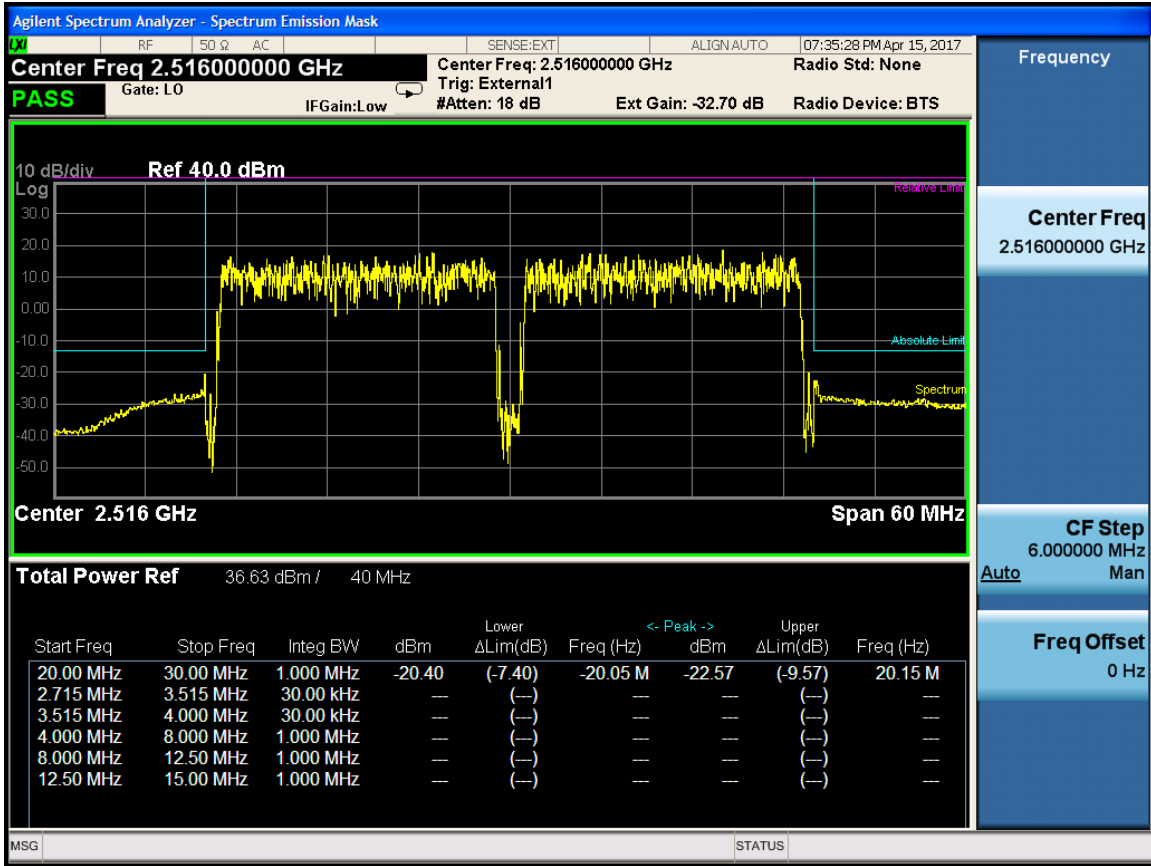


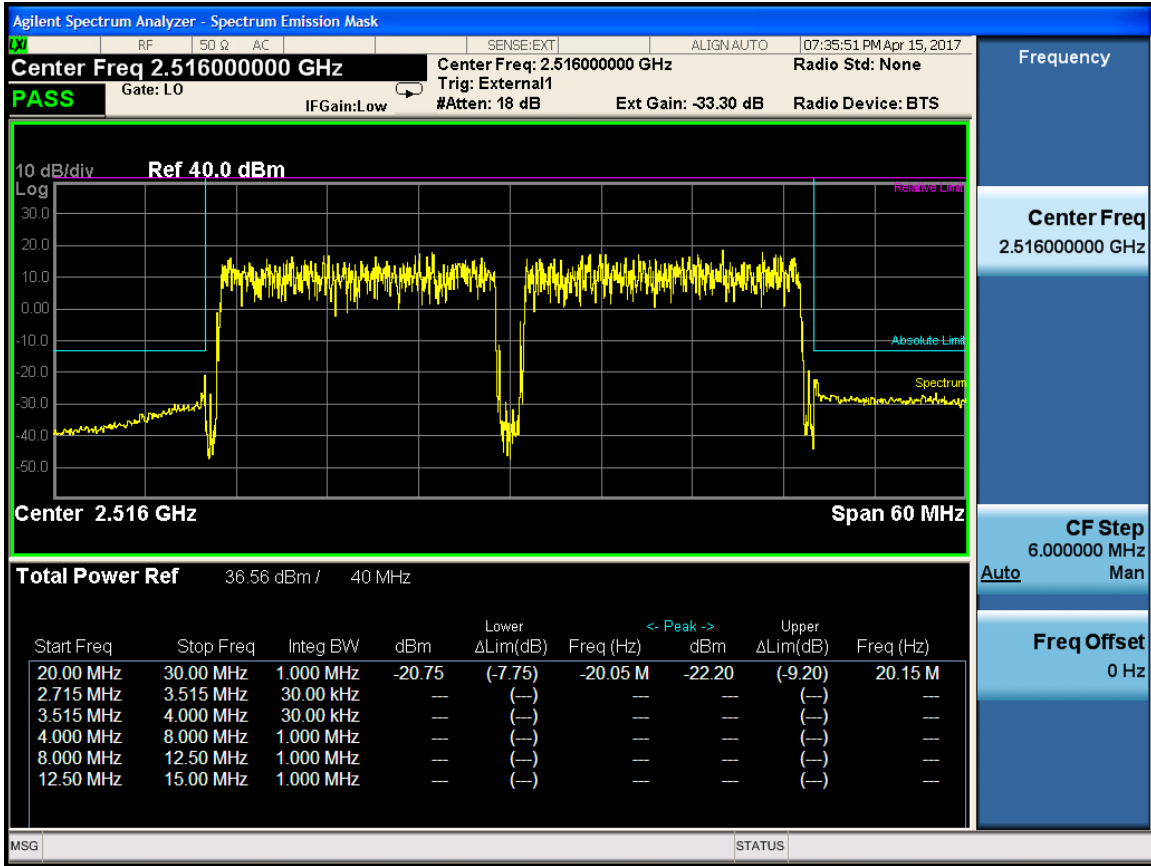


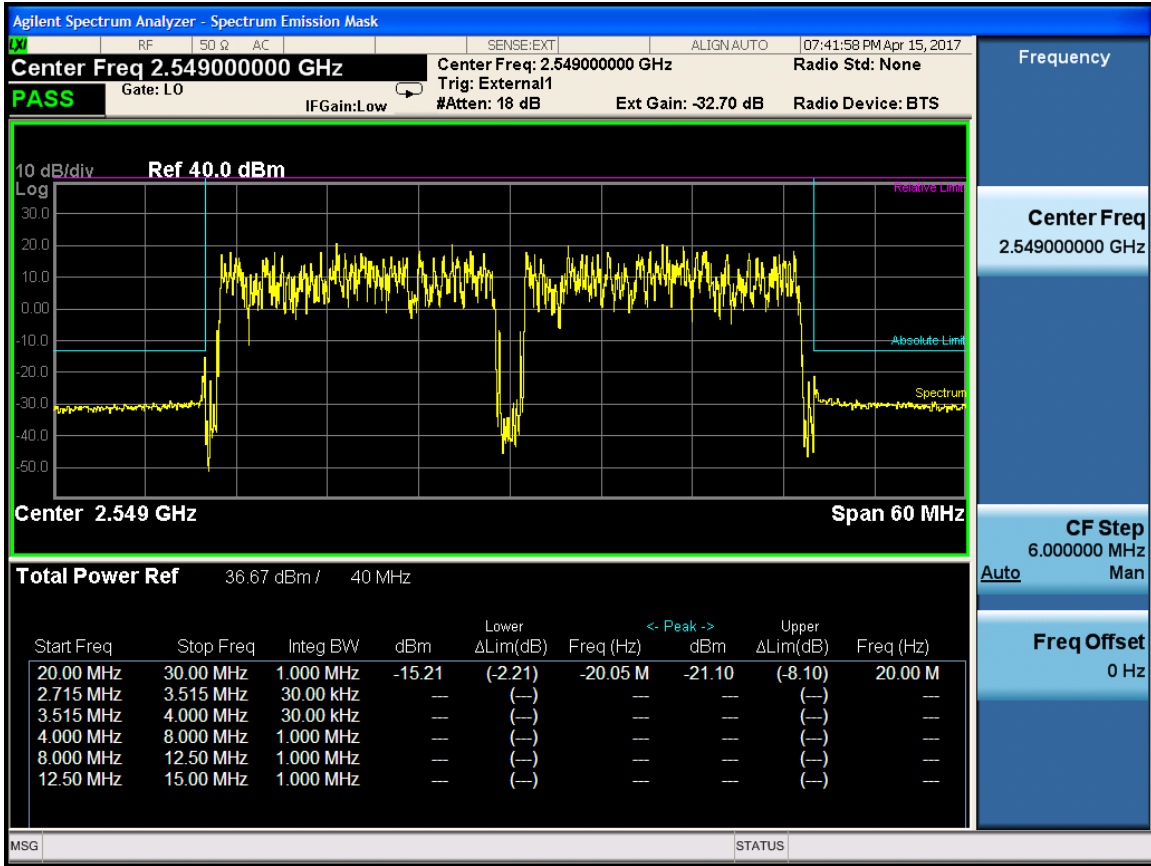


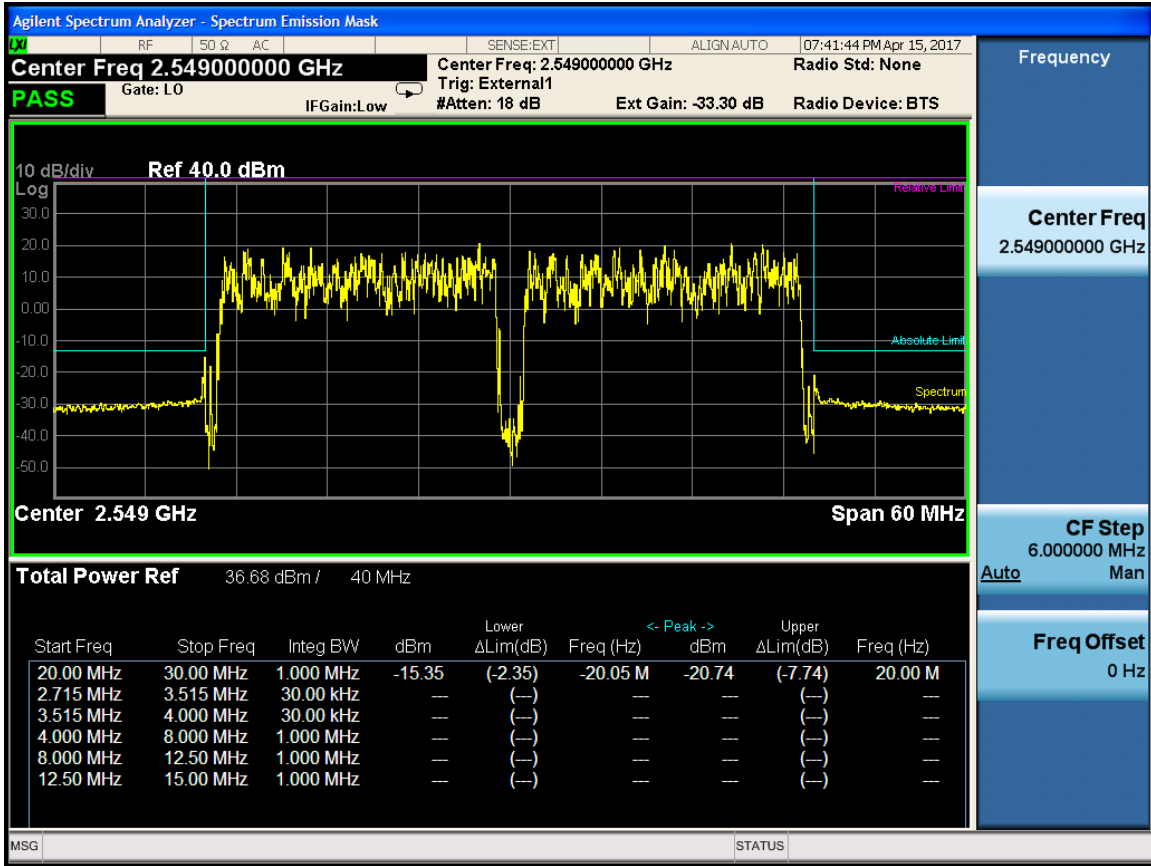




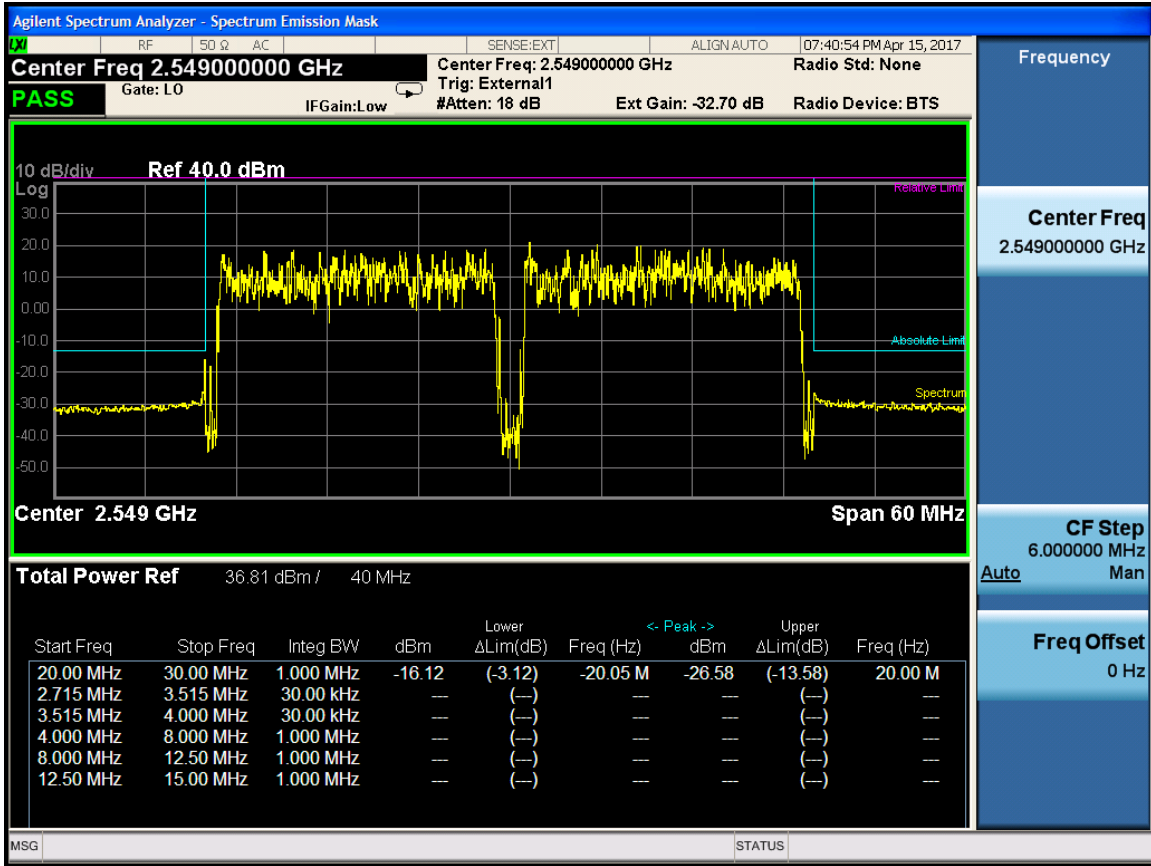


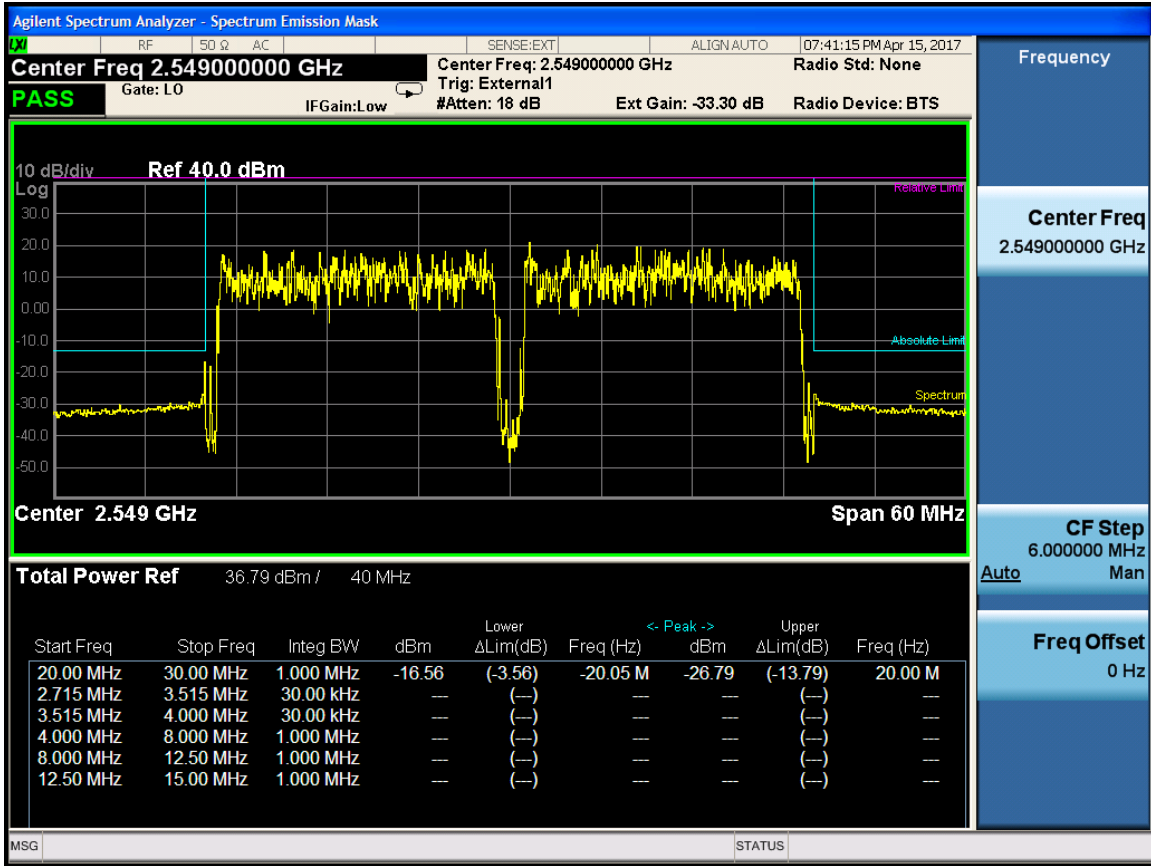


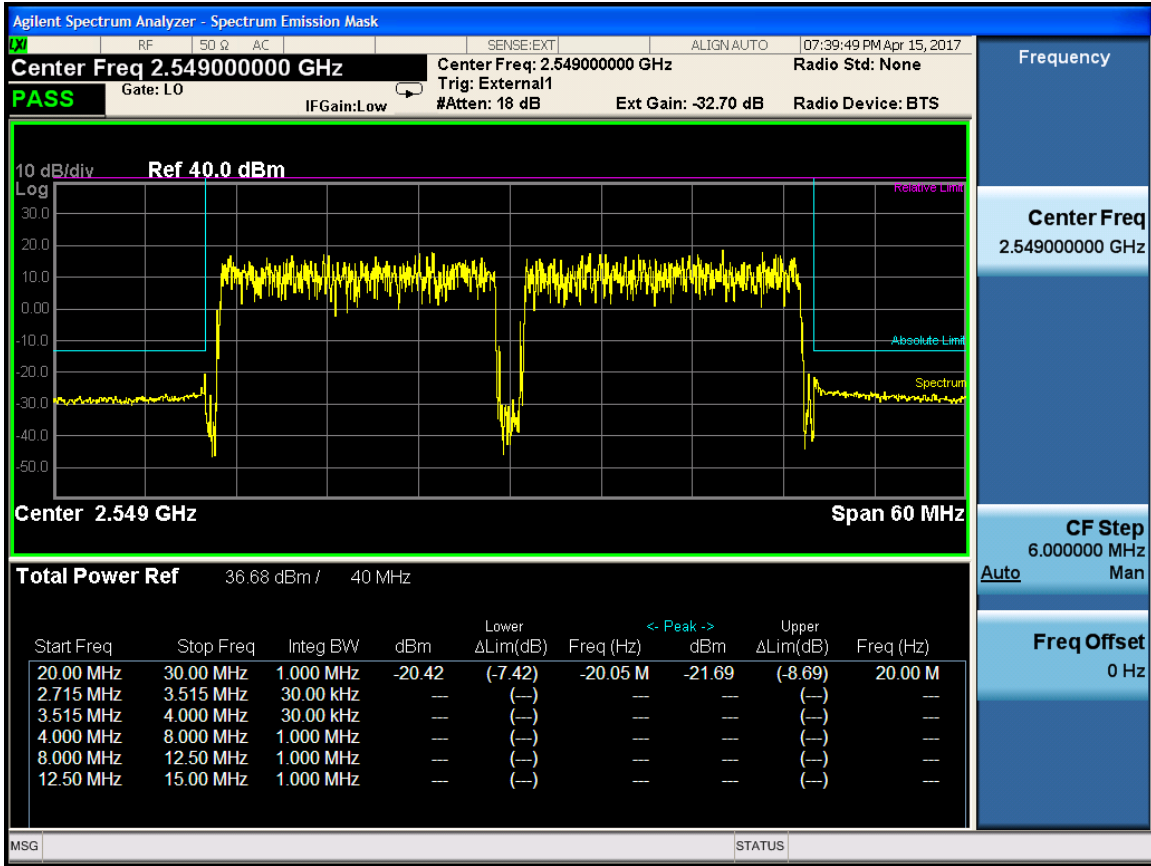


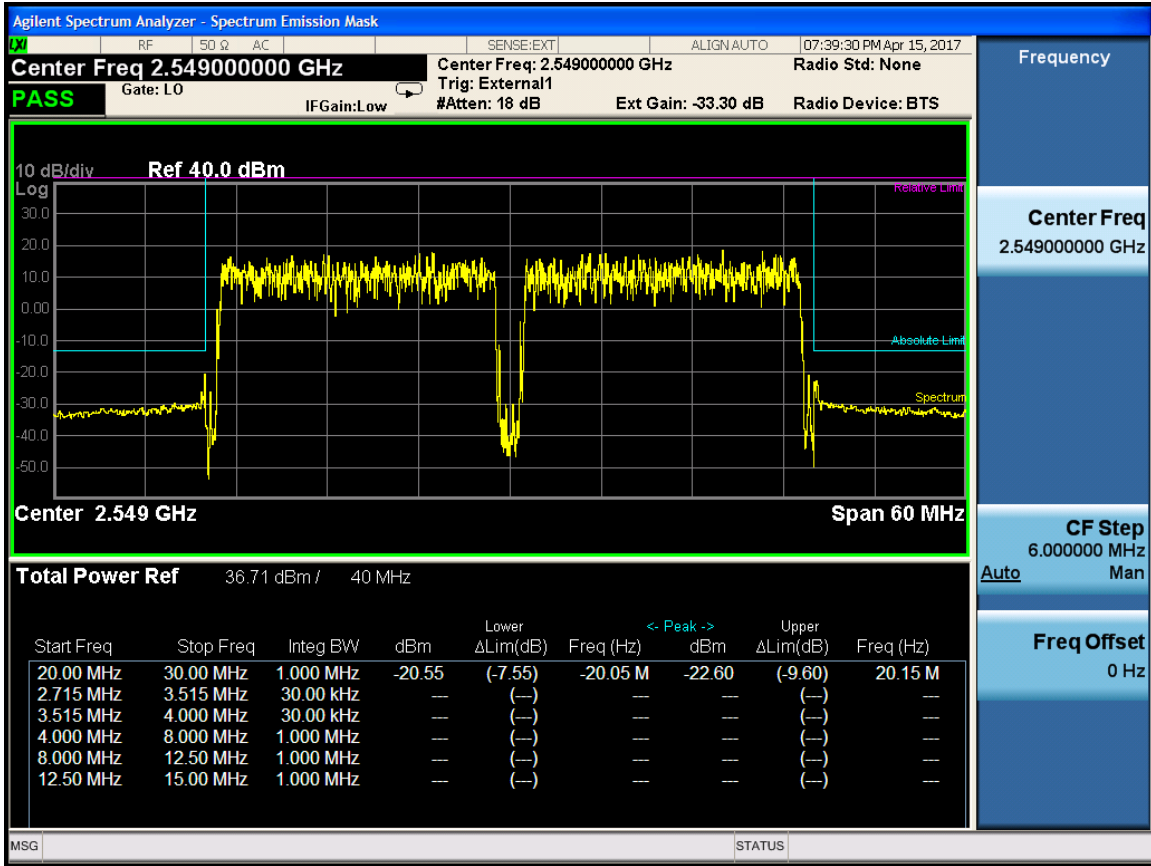


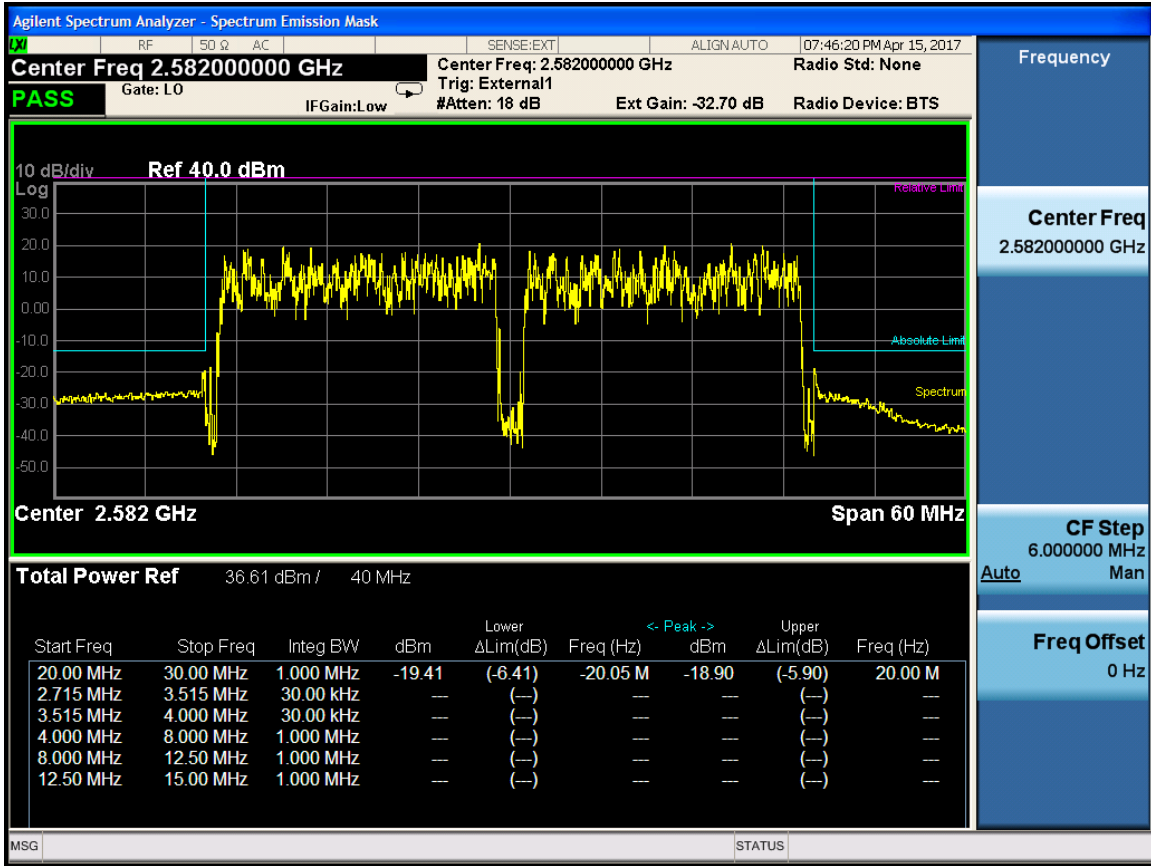


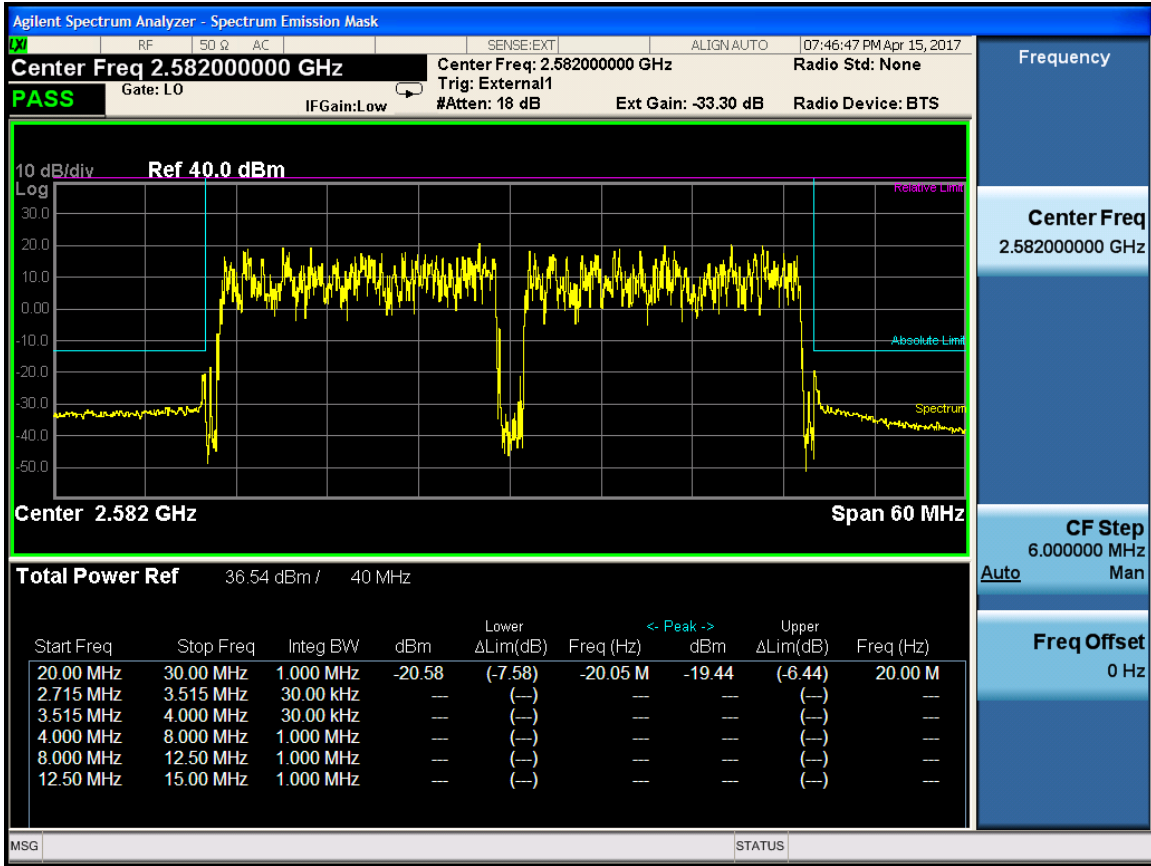


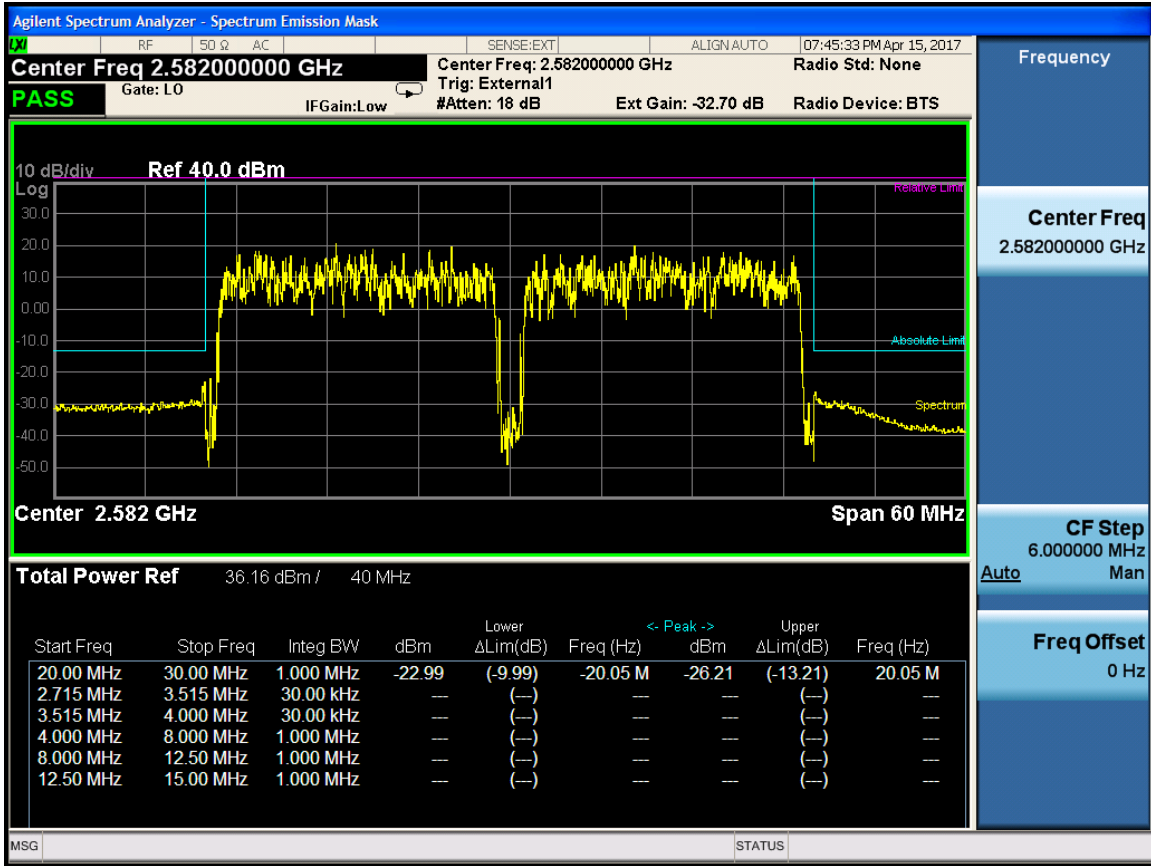


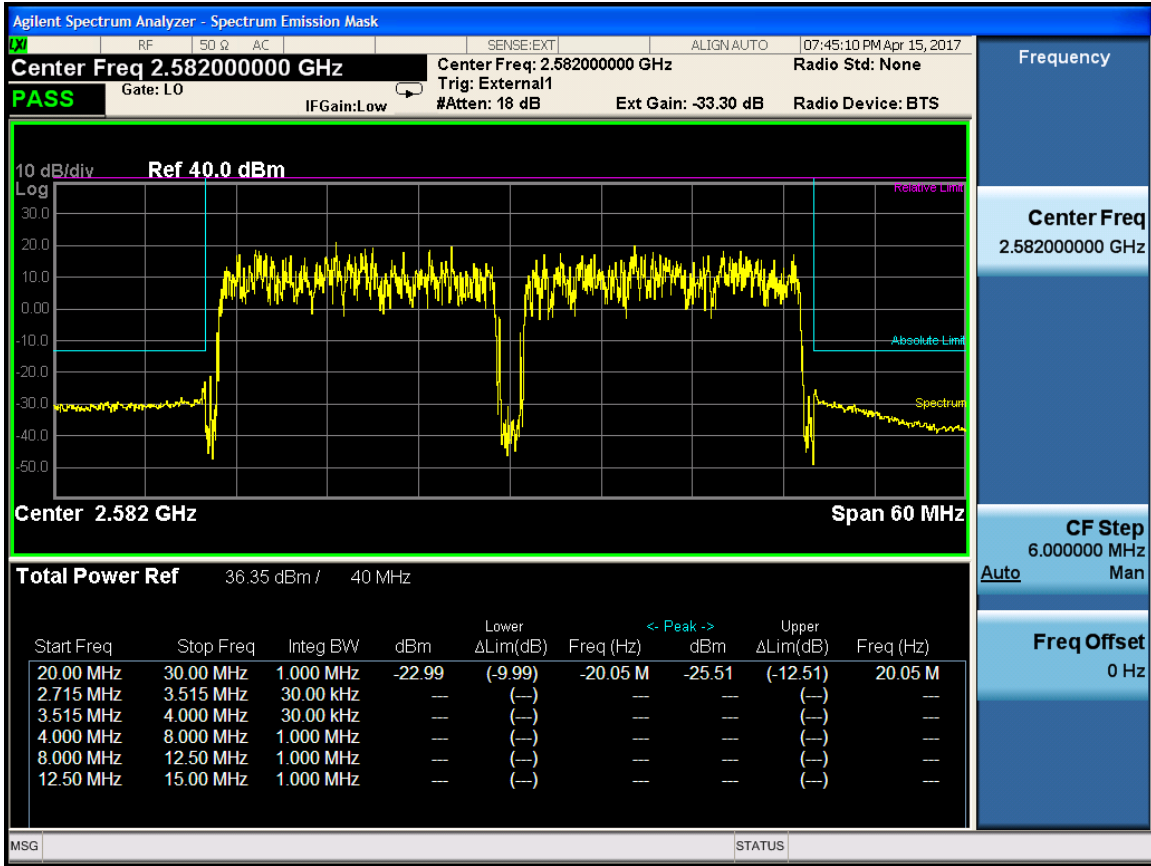




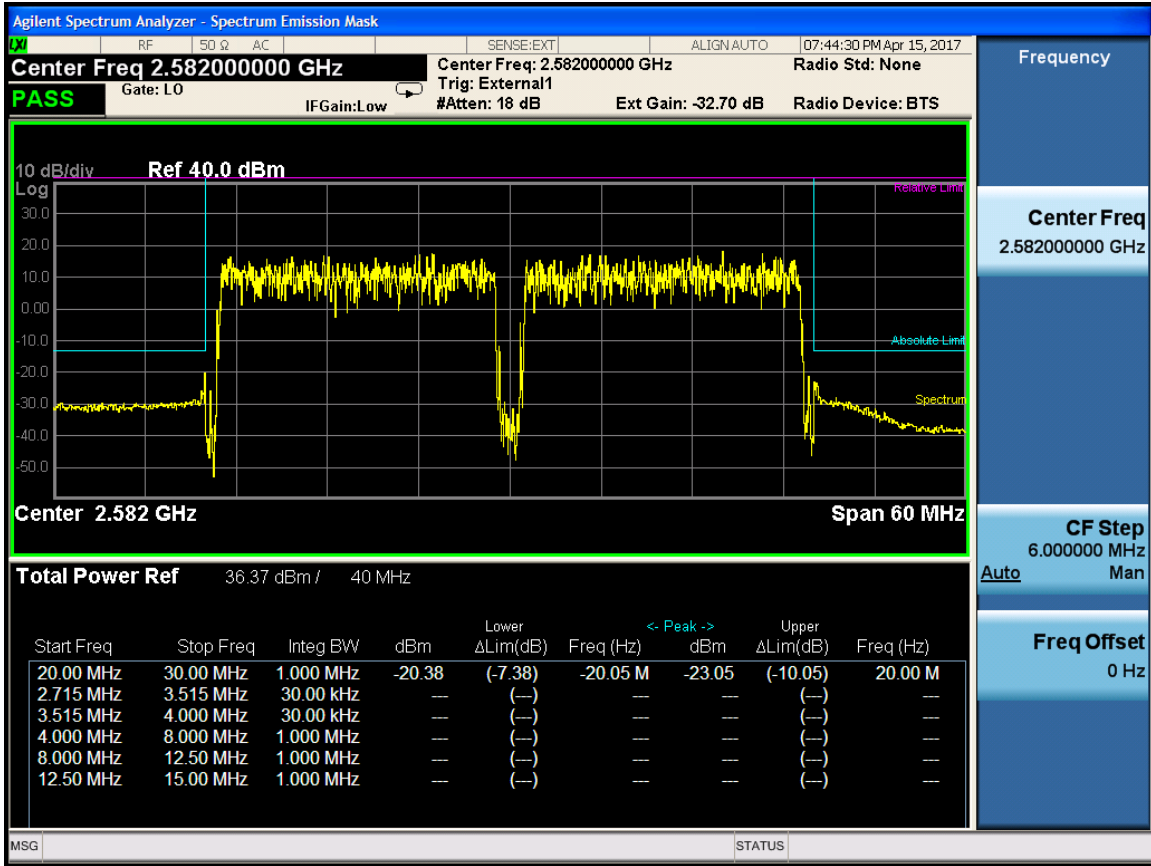


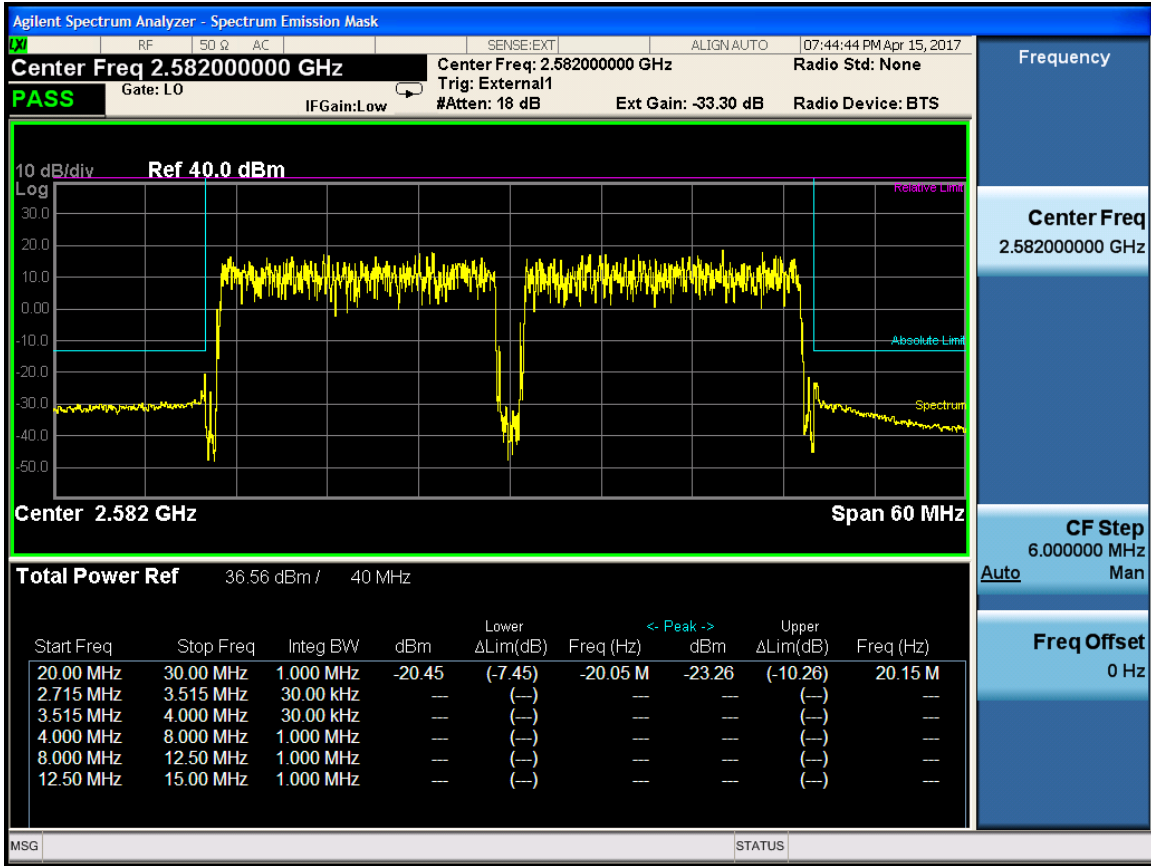












## 8 SPURIOUS RADIATED EMISSIONS

**Applicable Standard:** FCC CFR 47 §2.1053

### Test Equipment List and Details

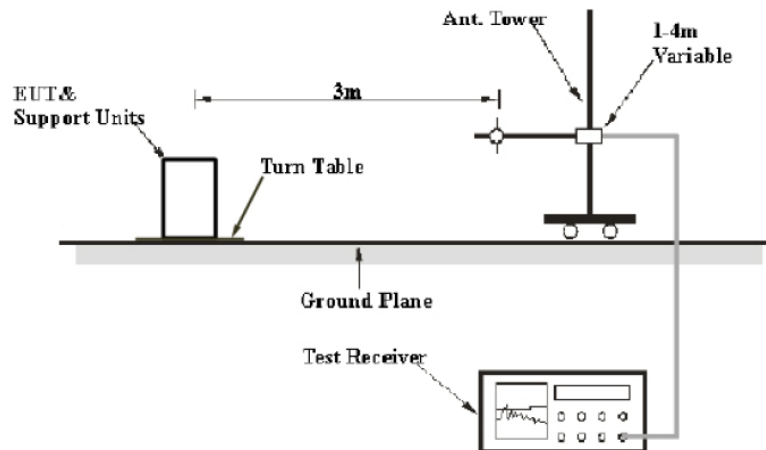
Manufacturer	Equipment	Model	Serial Number	Last Cal.	Cal. Interval
R&S	SIGNAL GENERATOR	SMR20	A00017351	2016-10-29	1 year
Albatross	Anechoic Chamber	3m Site	A00017354	2016-8-30	1 year
R&S	EMI Test Receiver	ESIB26	100058	2016-10-29	1 year
R&S	Ultra Breitband Antennas	HL562	100022	2016-8-5	1 year
R&S	Double-Ridged Waveguide Horn Antenna	HF906	100032	2016-8-5	1 year
R&S	Double-Ridged Waveguide Horn Antenna	HF906	100446	2016-8-5	1 year
SCHWARZ-BECK	Biconical Antenna	VUBA9117	9117-122	2016-8-5	1 year

#### Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiated emissions measurement at the EMC lab. is 3.6dB.

#### EUT Setup



The radiated emission tests were performed in the 3-meter Chamber, using the setup accordance with the FCC part 2.1053. The specification used was the FCC 2.1053 limits.

## Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load, which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = 10 lg (TX pwr in Watts/0.001)-the absolute level

Spurious attenuation limit in dB = 43+10 Lg P (power out in Watts)

The resolution bandwidth of the spectrum analyzer was set at 1 percent as specified for 30MHz to 1GHz scanning, set at 1MHz for 1GHz to 20GHz scanning.

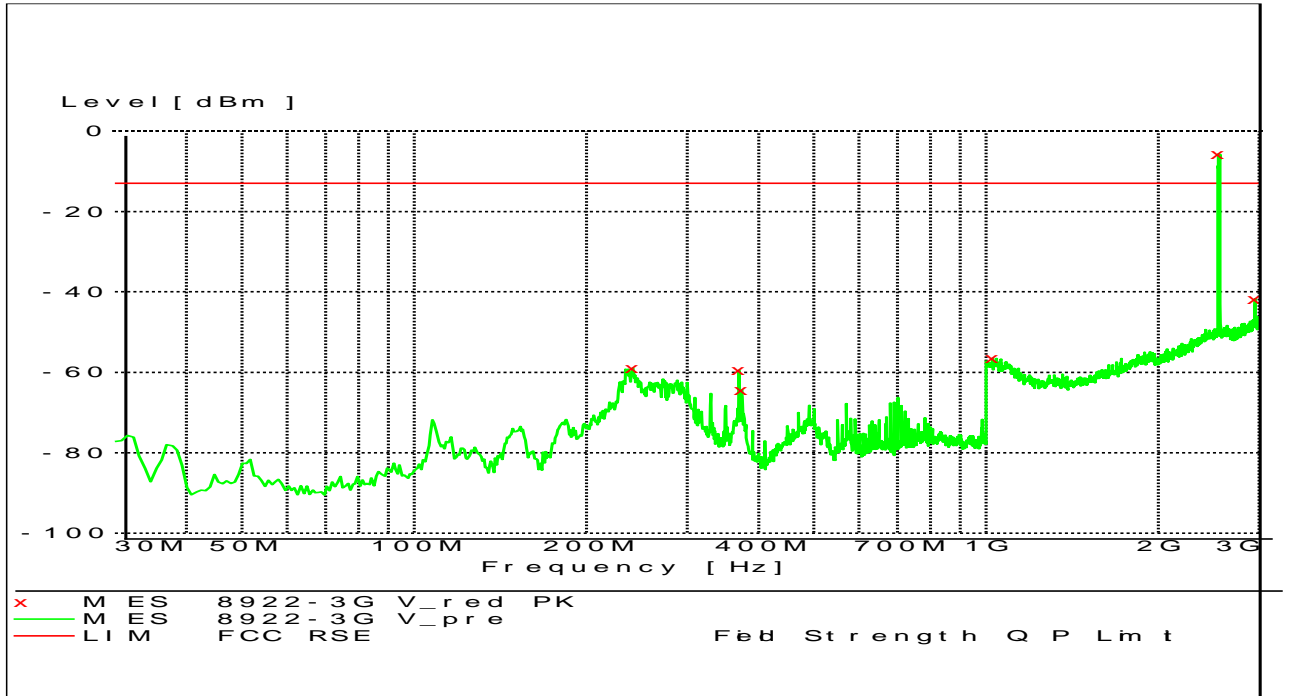
## Test Results Summary: PASS

## Environmental Conditions

Temperature:	26°C
Relative Humidity:	60 %
ATM Pressure:	1009 mbar

# Test data

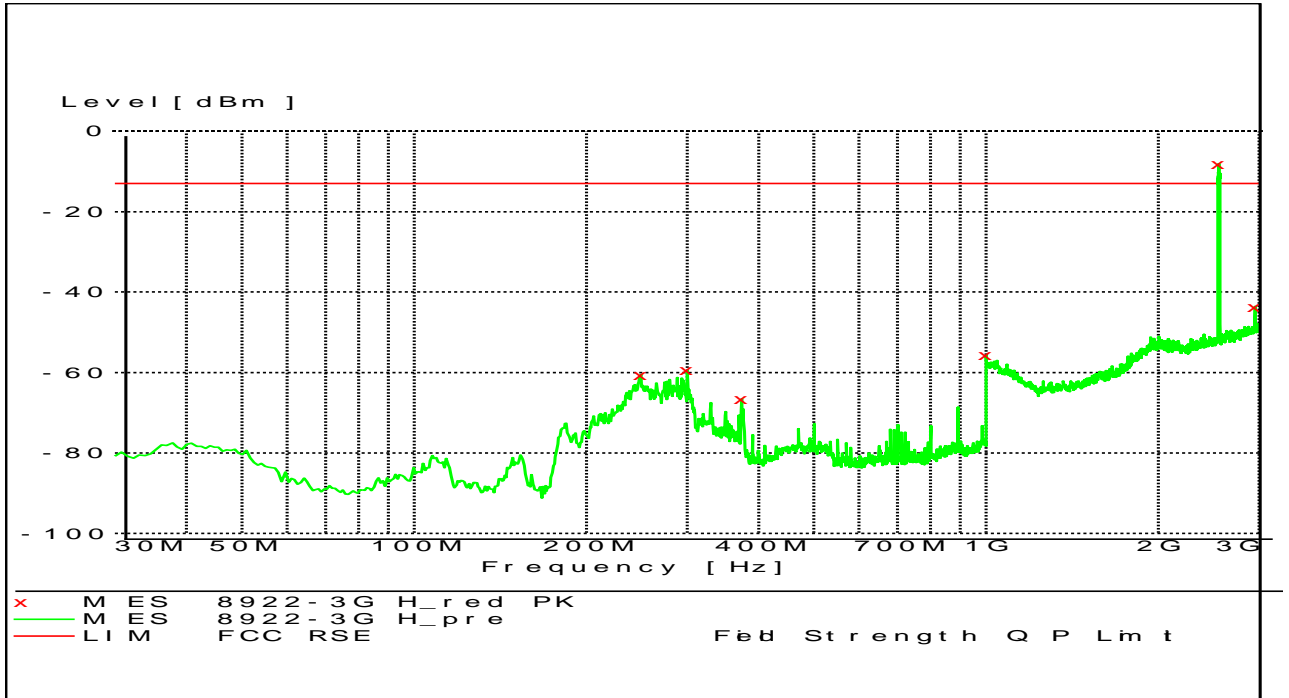
30MHz-1GHz: vertical



## MEASUREMENT RESULT: "8922-3GV\_red PK"

Frequency MHz	Level dBm	Azimuth deg	Height cm	Polarisation	Transd dB	Limit dBm	Margin dB
241.072000	-58.89	31.30	200.0	VER	-123.9	-13	45.9
369.888000	-59.51	359.10	100.0	VER	-125.5	-13	46.5
373.768000	-64.40	349.80	100.0	VER	-125.6	-13	51.4
1025.600000	-56.48	246.80	100.0	VER	-108.8	-13	43.5
2547.200000	-5.78	202.10	100.0	VER	-99.8	-13	-7.2
2950.400000	-41.67	0.10	100.0	VER	-97.4	-13	28.7

30MHz-1GHz: horizontal

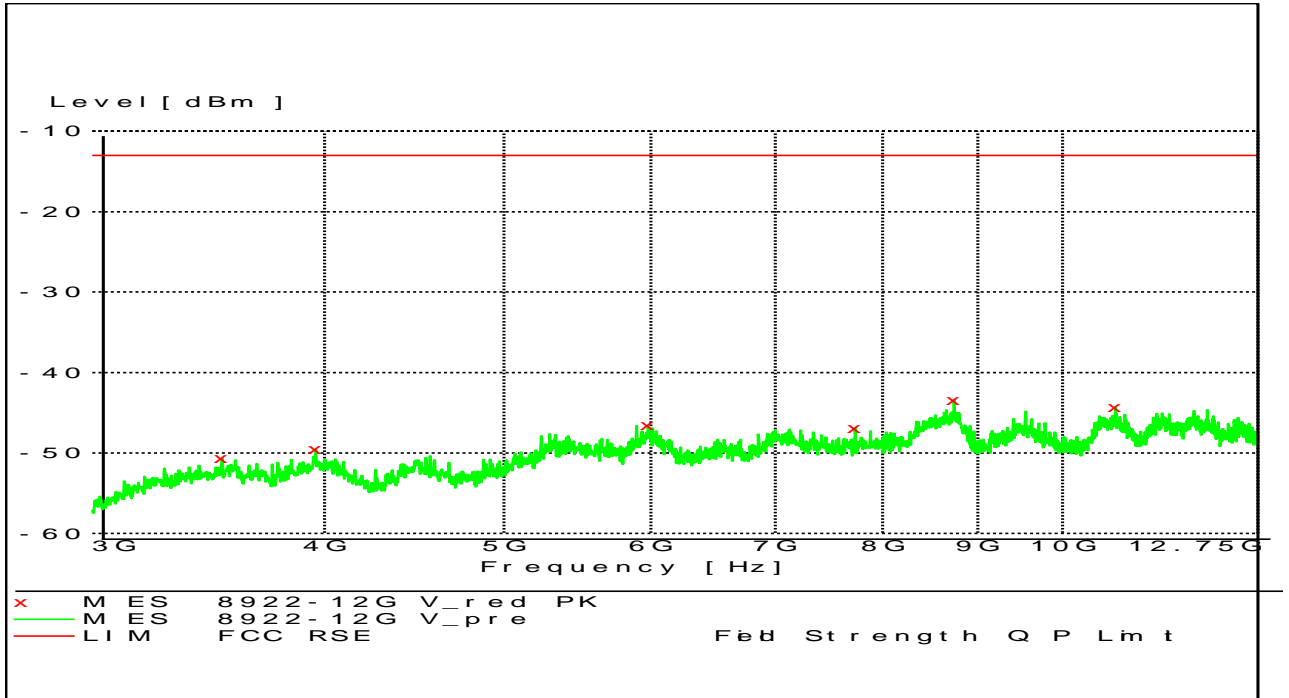


**MEASUREMENT RESULT: "8922-3GH\_red PK"**

4/7/2017 4:34PM

Frequency MHz	Level dBm	Azimuth deg	Height cm	Polarisation	Transd dB	Limit dBm	Margin dB
248.832000	-60.55	292.20	100.0	HOR	-130.4	-13	47.5
300.048000	-59.45	281.30	100.0	HOR	-131.4	-13	46.4
373.768000	-66.56	137.50	100.0	HOR	-128.7	-13	53.6
1000.000000	-55.72	215.90	100.0	HOR	-109.1	-13	42.7
2552.000000	-8.17	60.70	100.0	HOR	-101.4	-13	-4.8
2950.400000	-43.61	5.90	100.0	HOR	-98.8	-13	30.6

Above 1GHz: vertical

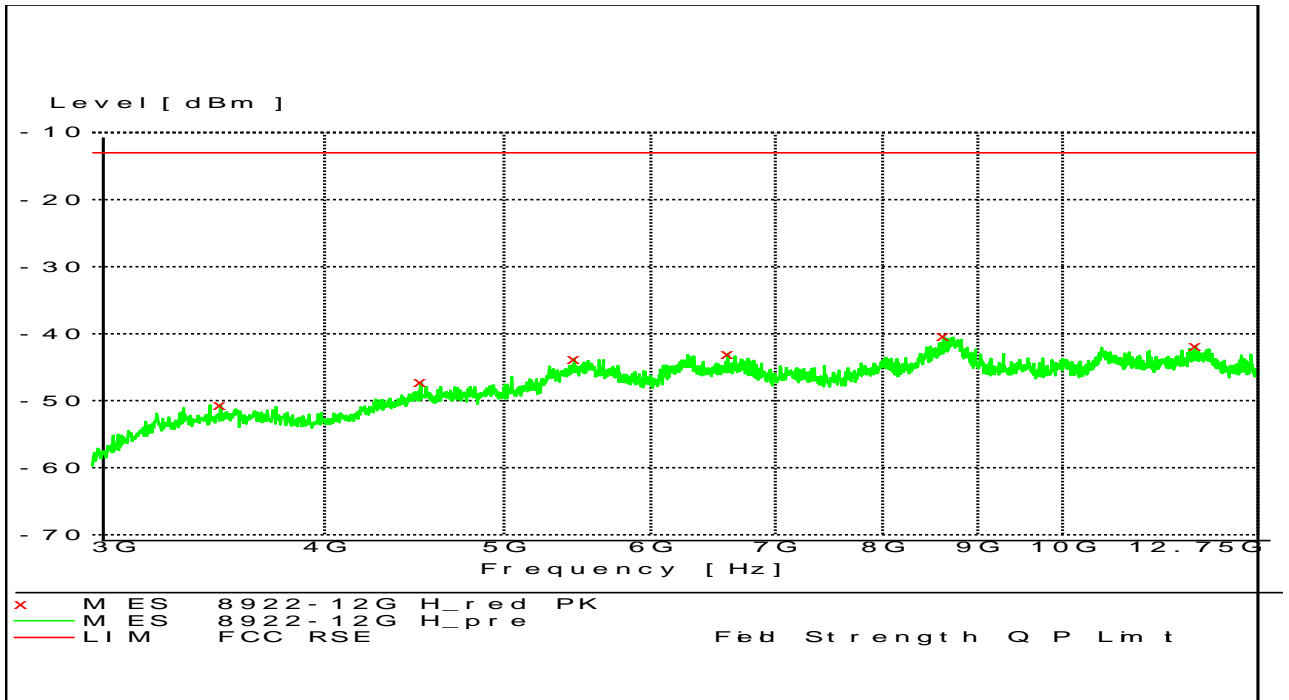


**MEASUREMENT RESULT: "8922-12GV\_red PK"**

4/7/2017 4:12PM

Frequency MHz	Level dBm	Azimuth deg	Height cm	Polarisation	Transd dB	Limit dBm	Margin dB
3521.600000	-50.66	230.20	200.0	VER	-89.5	-13	37.7
3956.800000	-49.58	285.50	100.0	VER	-87.6	-13	36.6
5982.400000	-46.53	117.20	100.0	VER	-81.5	-13	33.5
7736.000000	-46.87	82.00	100.0	VER	-81.4	-13	33.9
8743.400000	-43.34	257.60	100.0	VER	-76.5	-13	30.3
10680.000000	-44.28	3.70	200.0	VER	-76.4	-13	31.3

Above 1GHz: horizontal



**MEASUREMENT RESULT: "8922-12GH\_red PK"**

4/7/2017 4:17PM

Frequency MHz	Level dBm	Azimuth deg	Height cm	Polarisation	Transd dB	Limit dBm	Margin dB
3518.400000	-50.59	113.60	200.0	HOR	-89.4	-13	37.6
4510.400000	-47.22	29.30	100.0	HOR	-85.4	-13	34.2
5457.600000	-43.67	49.80	100.0	HOR	-80.0	-13	30.7
6600.000000	-42.99	113.60	200.0	HOR	-77.8	-13	30.0
8633.000000	-40.39	163.90	100.0	HOR	-73.1	-13	27.4
11797.800000	-41.83	346.30	100.0	HOR	-72.7	-13	28.8



# 9FREQUENCY 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	10113235	2016.09.06	2017.09.06
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51240239	2016.11.28	2017.11.28

**\*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
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**Test Result:** Pass**Test Mode:** Transmitting LTE**Test Data****Frequency Stability versus Temperature****One Carrier**

Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2506MHz) FL=2496.14MHz, FH=2515.88MHz							
Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
-40	-48	0	QPSK	0.14	2496.14	2515.88	Pass
			16QAM	0.57	2496.14	2515.88	Pass
			64QAM	1.08	2496.14	2515.88	Pass
		1	QPSK	0.65	2496.14	2515.88	Pass
			16QAM	0.8	2496.14	2515.88	Pass
			64QAM	0.12	2496.14	2515.88	Pass
-30	-48	0	QPSK	0.42	2496.14	2515.88	Pass
			16QAM	0.44	2496.14	2515.88	Pass
			64QAM	-0.17	2496.14	2515.88	Pass
		1	QPSK	0.78	2496.14	2515.88	Pass
			16QAM	0.82	2496.14	2515.88	Pass
			64QAM	0.32	2496.14	2515.88	Pass
-20	-48	0	QPSK	-0.01	2496.14	2515.88	Pass
			16QAM	1.12	2496.14	2515.88	Pass
			64QAM	-0.15	2496.14	2515.88	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2506MHz)**  
**FL=2496.14MHz, FH=2515.88MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset( MHz)	FH+ Frequency Offset( MHz)	Result
		1	QPSK	-0.12	2496.14	2515.88	Pass
			16QAM	0.18	2496.14	2515.88	Pass
			64QAM	0.45	2496.14	2515.88	Pass
-10	-48	0	QPSK	0.89	2496.14	2515.88	Pass
			16QAM	0.33	2496.14	2515.88	Pass
			64QAM	1.04	2496.14	2515.88	Pass
		1	QPSK	1.03	2496.14	2515.88	Pass
			16QAM	0.94	2496.14	2515.88	Pass
			64QAM	1.06	2496.14	2515.88	Pass
0	-48	0	QPSK	0.18	2496.14	2515.88	Pass
			16QAM	0.08	2496.14	2515.88	Pass
			64QAM	0.52	2496.14	2515.88	Pass
		1	QPSK	0.29	2496.14	2515.88	Pass
			16QAM	0.25	2496.14	2515.88	Pass
			64QAM	0.43	2496.14	2515.88	Pass
10	-48	0	QPSK	0.67	2496.14	2515.88	Pass
			16QAM	-0.03	2496.14	2515.88	Pass
			64QAM	0.52	2496.14	2515.88	Pass
		1	QPSK	-0.46	2496.14	2515.88	Pass
			16QAM	-0.08	2496.14	2515.88	Pass
			64QAM	-0.33	2496.14	2515.88	Pass
20	-48	0	QPSK	0.32	2496.14	2515.88	Pass
			16QAM	-0.24	2496.14	2515.88	Pass
			64QAM	0.63	2496.14	2515.88	Pass
		1	QPSK	0.78	2496.14	2515.88	Pass
			16QAM	0.52	2496.14	2515.88	Pass
			64QAM	0.49	2496.14	2515.88	Pass
30	-48	0	QPSK	0.4	2496.14	2515.88	Pass
			16QAM	0.18	2496.14	2515.88	Pass
			64QAM	0.35	2496.14	2515.88	Pass
		1	QPSK	-0.32	2496.14	2515.88	Pass
			16QAM	0.11	2496.14	2515.88	Pass
			64QAM	0.23	2496.14	2515.88	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2506MHz)**  
**FL=2496.14MHz, FH=2515.88MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
40	-48	0	QPSK	0.83	2496.14	2515.88	Pass
			16QAM	-0.31	2496.14	2515.88	Pass
			64QAM	0.78	2496.14	2515.88	Pass
		1	QPSK	1.15	2496.14	2515.88	Pass
			16QAM	-0.16	2496.14	2515.88	Pass
			64QAM	0.58	2496.14	2515.88	Pass
50	-48	0	QPSK	0.67	2496.14	2515.88	Pass
			16QAM	-0.18	2496.14	2515.88	Pass
			64QAM	-0.48	2496.14	2515.88	Pass
		1	QPSK	0.17	2496.14	2515.88	Pass
			16QAM	-1.91	2496.14	2515.88	Pass
			64QAM	0.8	2496.14	2515.88	Pass
55	-48	0	QPSK	0.28	2496.14	2515.88	Pass
			16QAM	0.27	2496.14	2515.88	Pass
			64QAM	0.31	2496.14	2515.88	Pass
		1	QPSK	-0.09	2496.14	2515.88	Pass
			16QAM	0.33	2496.14	2515.88	Pass
			64QAM	-0.06	2496.14	2515.88	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2549MHz)**  
**FL=2539.14MHz, FH=2558.87MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
-40	-48	0	QPSK	-0.65	2539.14	2558.87	Pass
			16QAM	0.47	2539.14	2558.87	Pass
			64QAM	-0.2	2539.14	2558.87	Pass
		1	QPSK	-0.12	2539.14	2558.87	Pass
			16QAM	-0.27	2539.14	2558.87	Pass
			64QAM	0.05	2539.14	2558.87	Pass
-30	-48	0	QPSK	-0.06	2539.14	2558.87	Pass
			16QAM	-0.29	2539.14	2558.87	Pass
			64QAM	0.31	2539.14	2558.87	Pass
		1	QPSK	0.24	2539.14	2558.87	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2549MHz)  
 FL=2539.14MHz, FH=2558.87MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset( MHz)	FH+ Frequency Offset( MHz)	Result
			16QAM	0.62	2539.14	2558.87	Pass
			64QAM	0.92	2539.14	2558.87	Pass
-20	-48	0	QPSK	0.99	2539.14	2558.87	Pass
			16QAM	0.77	2539.14	2558.87	Pass
			64QAM	0.03	2539.14	2558.87	Pass
		1	QPSK	-0.08	2539.14	2558.87	Pass
			16QAM	0.24	2539.14	2558.87	Pass
			64QAM	0.35	2539.14	2558.87	Pass
-10	-48	0	QPSK	0.74	2539.14	2558.87	Pass
			16QAM	0.2	2539.14	2558.87	Pass
			64QAM	1.08	2539.14	2558.87	Pass
		1	QPSK	1.23	2539.14	2558.87	Pass
			16QAM	0.61	2539.14	2558.87	Pass
			64QAM	0.26	2539.14	2558.87	Pass
0	-48	0	QPSK	-0.1	2539.14	2558.87	Pass
			16QAM	0.08	2539.14	2558.87	Pass
			64QAM	0.22	2539.14	2558.87	Pass
		1	QPSK	0.41	2539.14	2558.87	Pass
			16QAM	0.7	2539.14	2558.87	Pass
			64QAM	-0.35	2539.14	2558.87	Pass
10	-48	0	QPSK	-0.04	2539.14	2558.87	Pass
			16QAM	-0.35	2539.14	2558.87	Pass
			64QAM	0.92	2539.14	2558.87	Pass
		1	QPSK	0.3	2539.14	2558.87	Pass
			16QAM	-0.22	2539.14	2558.87	Pass
			64QAM	0.66	2539.14	2558.87	Pass
20	-48	0	QPSK	0.18	2539.14	2558.87	Pass
			16QAM	0.95	2539.14	2558.87	Pass
			64QAM	0.31	2539.14	2558.87	Pass
		1	QPSK	0.73	2539.14	2558.87	Pass
			16QAM	0.79	2539.14	2558.87	Pass
			64QAM	-0.12	2539.14	2558.87	Pass
30	-48	0	QPSK	0.66	2539.14	2558.87	Pass

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2549MHz)</b> <b>FL=2539.14MHz, FH=2558.87MHz</b>							
<b>Temperature (°C)</b>	<b>Power Supplied (V<sub>DC</sub>)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset( MHz)</b>	<b>FH+ Frequency Offset( MHz)</b>	<b>Result</b>
		1	16QAM	-0.38	2539.14	2558.87	Pass
			64QAM	0.42	2539.14	2558.87	Pass
			QPSK	0.42	2539.14	2558.87	Pass
			16QAM	0.22	2539.14	2558.87	Pass
			64QAM	0.64	2539.14	2558.87	Pass
			QPSK	1.05	2539.14	2558.87	Pass
40	-48	0	16QAM	0.13	2539.14	2558.87	Pass
			64QAM	-0.32	2539.14	2558.87	Pass
			QPSK	0.29	2539.14	2558.87	Pass
		1	16QAM	0.3	2539.14	2558.87	Pass
			64QAM	0.54	2539.14	2558.87	Pass
			QPSK	0.28	2539.14	2558.87	Pass
50	-48	0	16QAM	0.14	2539.14	2558.87	Pass
			64QAM	0.16	2539.14	2558.87	Pass
			QPSK	0.28	2539.14	2558.87	Pass
		1	16QAM	0.74	2539.14	2558.87	Pass
			64QAM	-0.05	2539.14	2558.87	Pass
			QPSK	0.26	2539.14	2558.87	Pass
55	-48	0	16QAM	0.31	2539.14	2558.87	Pass
			64QAM	0.4	2539.14	2558.87	Pass
			QPSK	0.75	2539.14	2558.87	Pass
		1	16QAM	0.43	2539.14	2558.87	Pass
			64QAM	-0.15	2539.14	2558.87	Pass
			QPSK	0.26	2539.14	2558.87	Pass

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2592MHz)</b> <b>FL=2582.13MHz, FH=2601.88MHz</b>							
<b>Temperature (°C)</b>	<b>Power Supplied (V<sub>DC</sub>)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset( MHz)</b>	<b>FH+ Frequency Offset( MHz)</b>	<b>Result</b>
-40	-48	0	QPSK	0.35	2582.13	2601.88	Pass
			16QAM	0.21	2582.13	2601.88	Pass
			64QAM	0.47	2582.13	2601.88	Pass
		1	QPSK	0.44	2582.13	2601.88	Pass
			16QAM	0.24	2582.13	2601.88	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2592MHz)  
 FL=2582.13MHz, FH=2601.88MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
			64QAM	0.58	2582.13	2601.88	Pass
-30	-48	0	QPSK	0.26	2582.13	2601.88	Pass
			16QAM	0.26	2582.13	2601.88	Pass
			64QAM	0.03	2582.13	2601.88	Pass
		1	QPSK	0.79	2582.13	2601.88	Pass
			16QAM	0.43	2582.13	2601.88	Pass
			64QAM	0.47	2582.13	2601.88	Pass
-20	-48	0	QPSK	-0.33	2582.13	2601.88	Pass
			16QAM	-0.56	2582.13	2601.88	Pass
			64QAM	0.44	2582.13	2601.88	Pass
		1	QPSK	-0.45	2582.13	2601.88	Pass
			16QAM	0.33	2582.13	2601.88	Pass
			64QAM	-0.18	2582.13	2601.88	Pass
-10	-48	0	QPSK	0.85	2582.13	2601.88	Pass
			16QAM	0.61	2582.13	2601.88	Pass
			64QAM	0.05	2582.13	2601.88	Pass
		1	QPSK	0.17	2582.13	2601.88	Pass
			16QAM	0.22	2582.13	2601.88	Pass
			64QAM	0.32	2582.13	2601.88	Pass
0	-48	0	QPSK	0.13	2582.13	2601.88	Pass
			16QAM	0.55	2582.13	2601.88	Pass
			64QAM	-0.1	2582.13	2601.88	Pass
		1	QPSK	0.26	2582.13	2601.88	Pass
			16QAM	0.15	2582.13	2601.88	Pass
			64QAM	0.78	2582.13	2601.88	Pass
10	-48	0	QPSK	0.5	2582.13	2601.88	Pass
			16QAM	-0.06	2582.13	2601.88	Pass
			64QAM	0.51	2582.13	2601.88	Pass
		1	QPSK	-0.39	2582.13	2601.88	Pass
			16QAM	0.44	2582.13	2601.88	Pass
			64QAM	-0.28	2582.13	2601.88	Pass
20	-48	0	QPSK	0.63	2582.13	2601.88	Pass
			16QAM	0.09	2582.13	2601.88	Pass

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2592MHz) FL=2582.13MHz, FH=2601.88MHz</b>							
<b>Temperature (°C)</b>	<b>Power Supplied (V<sub>DC</sub>)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset (MHz)</b>	<b>FH+ Frequency Offset (MHz)</b>	<b>Result</b>
		1	64QAM	-0.12	2582.13	2601.88	Pass
			QPSK	-0.2	2582.13	2601.88	Pass
			16QAM	0.81	2582.13	2601.88	Pass
			64QAM	-0.23	2582.13	2601.88	Pass
30	-48	0	QPSK	0.31	2582.13	2601.88	Pass
			16QAM	0.15	2582.13	2601.88	Pass
			64QAM	0.46	2582.13	2601.88	Pass
		1	QPSK	0.85	2582.13	2601.88	Pass
			16QAM	0.61	2582.13	2601.88	Pass
			64QAM	-0.12	2582.13	2601.88	Pass
40	-48	0	QPSK	0.54	2582.13	2601.88	Pass
			16QAM	-0.13	2582.13	2601.88	Pass
			64QAM	0.06	2582.13	2601.88	Pass
		1	QPSK	0.12	2582.13	2601.88	Pass
			16QAM	0.17	2582.13	2601.88	Pass
			64QAM	0.03	2582.13	2601.88	Pass
50	-48	0	QPSK	0.3	2582.13	2601.88	Pass
			16QAM	0.5	2582.13	2601.88	Pass
			64QAM	0.79	2582.13	2601.88	Pass
		1	QPSK	0.95	2582.13	2601.88	Pass
			16QAM	0.32	2582.13	2601.88	Pass
			64QAM	-0.28	2582.13	2601.88	Pass
55	-48	0	QPSK	0.18	2582.13	2601.88	Pass
			16QAM	0.4	2582.13	2601.88	Pass
			64QAM	-0.21	2582.13	2601.88	Pass
		1	QPSK	0.3	2582.13	2601.88	Pass
			16QAM	1.26	2582.13	2601.88	Pass
			64QAM	0.55	2582.13	2601.88	Pass

## Two Carrier

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2506+2526MHz)  
FL=2496.21MHz, FH=2535.78MHz**



Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
-40	-48	0	QPSK	0.33	2496.21	2535.78	Pass
			16QAM	0.66	2496.21	2535.78	Pass
			64QAM	0.81	2496.21	2535.78	Pass
		1	QPSK	0.59	2496.21	2535.78	Pass
			16QAM	0.3	2496.21	2535.78	Pass
			64QAM	-0.21	2496.21	2535.78	Pass
-30	-48	0	QPSK	0.16	2496.21	2535.78	Pass
			16QAM	1.3	2496.21	2535.78	Pass
			64QAM	-0.5	2496.21	2535.78	Pass
		1	QPSK	0.24	2496.21	2535.78	Pass
			16QAM	-0.02	2496.21	2535.78	Pass
			64QAM	0.68	2496.21	2535.78	Pass
-20	-48	0	QPSK	0.28	2496.21	2535.78	Pass
			16QAM	-0.03	2496.21	2535.78	Pass
			64QAM	0.33	2496.21	2535.78	Pass
		1	QPSK	-0.13	2496.21	2535.78	Pass
			16QAM	-0.54	2496.21	2535.78	Pass
			64QAM	0.23	2496.21	2535.78	Pass
-10	-48	0	QPSK	0.54	2496.21	2535.78	Pass
			16QAM	0.59	2496.21	2535.78	Pass
			64QAM	-0.15	2496.21	2535.78	Pass
		1	QPSK	0.41	2496.21	2535.78	Pass
			16QAM	0.18	2496.21	2535.78	Pass
			64QAM	0.44	2496.21	2535.78	Pass
0	-48	0	QPSK	0.42	2496.21	2535.78	Pass
			16QAM	0.51	2496.21	2535.78	Pass
			64QAM	1.24	2496.21	2535.78	Pass
		1	QPSK	-0.22	2496.21	2535.78	Pass
			16QAM	0.78	2496.21	2535.78	Pass
			64QAM	-0.19	2496.21	2535.78	Pass
10	-48	0	QPSK	0.12	2496.21	2535.78	Pass
			16QAM	0.18	2496.21	2535.78	Pass
			64QAM	0.64	2496.21	2535.78	Pass
		1	QPSK	0.12	2496.21	2535.78	Pass
			16QAM	0.88	2496.21	2535.78	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2506+2526MHz)  
 FL=2496.21MHz, FH=2535.78MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
			64QAM	0.41	2496.21	2535.78	Pass
20	-48	0	QPSK	-0.59	2496.21	2535.78	Pass
			16QAM	-0.13	2496.21	2535.78	Pass
			64QAM	0.07	2496.21	2535.78	Pass
		1	QPSK	0.03	2496.21	2535.78	Pass
			16QAM	0.59	2496.21	2535.78	Pass
			64QAM	-0.77	2496.21	2535.78	Pass
30	-48	0	QPSK	-0.06	2496.21	2535.78	Pass
			16QAM	0.45	2496.21	2535.78	Pass
			64QAM	0.92	2496.21	2535.78	Pass
		1	QPSK	0.84	2496.21	2535.78	Pass
			16QAM	0.12	2496.21	2535.78	Pass
			64QAM	0.8	2496.21	2535.78	Pass
40	-48	0	QPSK	-0.35	2496.21	2535.78	Pass
			16QAM	-0.03	2496.21	2535.78	Pass
			64QAM	0.1	2496.21	2535.78	Pass
		1	QPSK	0.55	2496.21	2535.78	Pass
			16QAM	-0.59	2496.21	2535.78	Pass
			64QAM	0.2	2496.21	2535.78	Pass
50	-48	0	QPSK	1.18	2496.21	2535.78	Pass
			16QAM	0.93	2496.21	2535.78	Pass
			64QAM	0.67	2496.21	2535.78	Pass
		1	QPSK	0.68	2496.21	2535.78	Pass
			16QAM	-0.2	2496.21	2535.78	Pass
			64QAM	0.26	2496.21	2535.78	Pass
55	-48	0	QPSK	0.22	2496.21	2535.78	Pass
			16QAM	0.32	2496.21	2535.78	Pass
			64QAM	-0.44	2496.21	2535.78	Pass
		1	QPSK	0.8	2496.21	2535.78	Pass
			16QAM	0.5	2496.21	2535.78	Pass
			64QAM	-0.35	2496.21	2535.78	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2539+2559MHz)  
 FL=2539.22MHz, FH=2568.76MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
-40	-48	0	QPSK	-0.38	2539.22	2568.76	Pass
			16QAM	0.26	2539.22	2568.76	Pass
			64QAM	0.15	2539.22	2568.76	Pass
		1	QPSK	0.49	2539.22	2568.76	Pass
			16QAM	0.3	2539.22	2568.76	Pass
			64QAM	0.78	2539.22	2568.76	Pass
-30	-48	0	QPSK	0.59	2539.22	2568.76	Pass
			16QAM	0.93	2539.22	2568.76	Pass
			64QAM	0.33	2539.22	2568.76	Pass
		1	QPSK	0.45	2539.22	2568.76	Pass
			16QAM	0.03	2539.22	2568.76	Pass
			64QAM	-0.46	2539.22	2568.76	Pass
-20	-48	0	QPSK	0.22	2539.22	2568.76	Pass
			16QAM	-0.15	2539.22	2568.76	Pass
			64QAM	-0.08	2539.22	2568.76	Pass
		1	QPSK	0.4	2539.22	2568.76	Pass
			16QAM	0.46	2539.22	2568.76	Pass
			64QAM	0.3	2539.22	2568.76	Pass
-10	-48	0	QPSK	0.41	2539.22	2568.76	Pass
			16QAM	0.34	2539.22	2568.76	Pass
			64QAM	-0.13	2539.22	2568.76	Pass
		1	QPSK	-0.27	2539.22	2568.76	Pass
			16QAM	0.76	2539.22	2568.76	Pass
			64QAM	-0.59	2539.22	2568.76	Pass
0	-48	0	QPSK	-0.36	2539.22	2568.76	Pass
			16QAM	-0.17	2539.22	2568.76	Pass
			64QAM	-0.08	2539.22	2568.76	Pass
		1	QPSK	0.68	2539.22	2568.76	Pass
			16QAM	0.06	2539.22	2568.76	Pass
			64QAM	0.35	2539.22	2568.76	Pass
10	-48	0	QPSK	-1.31	2539.22	2568.76	Pass
			16QAM	0.14	2539.22	2568.76	Pass
			64QAM	0.46	2539.22	2568.76	Pass
		1	QPSK	0.3	2539.22	2568.76	Pass
			16QAM	0.67	2539.22	2568.76	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2539+2559MHz)  
FL=2539.22MHz, FH=2568.76MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
			64QAM	0.82	2539.22	2568.76	Pass
20	-48	0	QPSK	-0.25	2539.22	2568.76	Pass
			16QAM	-0.08	2539.22	2568.76	Pass
			64QAM	1.09	2539.22	2568.76	Pass
		1	QPSK	-0.02	2539.22	2568.76	Pass
			16QAM	-0.24	2539.22	2568.76	Pass
			64QAM	0.19	2539.22	2568.76	Pass
30	-48	0	QPSK	0.15	2539.22	2568.76	Pass
			16QAM	-0.19	2539.22	2568.76	Pass
			64QAM	0.24	2539.22	2568.76	Pass
		1	QPSK	1.15	2539.22	2568.76	Pass
			16QAM	0.39	2539.22	2568.76	Pass
			64QAM	1.22	2539.22	2568.76	Pass
40	-48	0	QPSK	-0.28	2539.22	2568.76	Pass
			16QAM	0.43	2539.22	2568.76	Pass
			64QAM	0.65	2539.22	2568.76	Pass
		1	QPSK	0.53	2539.22	2568.76	Pass
			16QAM	-0.03	2539.22	2568.76	Pass
			64QAM	1.06	2539.22	2568.76	Pass
50	-48	0	QPSK	0.29	2539.22	2568.76	Pass
			16QAM	-0.24	2539.22	2568.76	Pass
			64QAM	0.87	2539.22	2568.76	Pass
		1	QPSK	0.87	2539.22	2568.76	Pass
			16QAM	0.15	2539.22	2568.76	Pass
			64QAM	-0.32	2539.22	2568.76	Pass
55	-48	0	QPSK	0.49	2539.22	2568.76	Pass
			16QAM	0.73	2539.22	2568.76	Pass
			64QAM	0.27	2539.22	2568.76	Pass
		1	QPSK	0.27	2539.22	2568.76	Pass
			16QAM	0.1	2539.22	2568.76	Pass
			64QAM	0.33	2539.22	2568.76	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2582+2592MHz)  
FL=2572.22MHz, FH=2601.76MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
-40	-48	0	QPSK	0.83	2572.22	2601.76	Pass
			16QAM	0.82	2572.22	2601.76	Pass
			64QAM	-0.17	2572.22	2601.76	Pass
		1	QPSK	0.67	2572.22	2601.76	Pass
			16QAM	0.01	2572.22	2601.76	Pass
			64QAM	0.31	2572.22	2601.76	Pass
-30	-48	0	QPSK	0.66	2572.22	2601.76	Pass
			16QAM	1.34	2572.22	2601.76	Pass
			64QAM	-0.27	2572.22	2601.76	Pass
		1	QPSK	0.55	2572.22	2601.76	Pass
			16QAM	0.68	2572.22	2601.76	Pass
			64QAM	0.52	2572.22	2601.76	Pass
-20	-48	0	QPSK	-0.32	2572.22	2601.76	Pass
			16QAM	-0.22	2572.22	2601.76	Pass
			64QAM	0.49	2572.22	2601.76	Pass
		1	QPSK	0.56	2572.22	2601.76	Pass
			16QAM	0.31	2572.22	2601.76	Pass
			64QAM	0.86	2572.22	2601.76	Pass
-10	-48	0	QPSK	0.09	2572.22	2601.76	Pass
			16QAM	-0.03	2572.22	2601.76	Pass
			64QAM	-0.41	2572.22	2601.76	Pass
		1	QPSK	0.98	2572.22	2601.76	Pass
			16QAM	-0.22	2572.22	2601.76	Pass
			64QAM	1.1	2572.22	2601.76	Pass
0	-48	0	QPSK	-0.05	2572.22	2601.76	Pass
			16QAM	0.4	2572.22	2601.76	Pass
			64QAM	0.69	2572.22	2601.76	Pass
		1	QPSK	-0.28	2572.22	2601.76	Pass
			16QAM	-0.47	2572.22	2601.76	Pass
			64QAM	0.69	2572.22	2601.76	Pass
10	-48	0	QPSK	-0.2	2572.22	2601.76	Pass
			16QAM	0.27	2572.22	2601.76	Pass
			64QAM	0.37	2572.22	2601.76	Pass
		1	QPSK	0.05	2572.22	2601.76	Pass
			16QAM	-0.71	2572.22	2601.76	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2582+2592MHz)  
 FL=2572.22MHz, FH=2601.76MHz**

Temperature (°C)	Power Supplied (V <sub>DC</sub> )	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
			64QAM	0.74	2572.22	2601.76	Pass
20	-48	0	QPSK	-0.65	2572.22	2601.76	Pass
			16QAM	-0.35	2572.22	2601.76	Pass
			64QAM	1.07	2572.22	2601.76	Pass
		1	QPSK	-0.17	2572.22	2601.76	Pass
			16QAM	0.36	2572.22	2601.76	Pass
			64QAM	0.67	2572.22	2601.76	Pass
30	-48	0	QPSK	0.14	2572.22	2601.76	Pass
			16QAM	-0.52	2572.22	2601.76	Pass
			64QAM	0.99	2572.22	2601.76	Pass
		1	QPSK	0.25	2572.22	2601.76	Pass
			16QAM	-0.19	2572.22	2601.76	Pass
			64QAM	0.61	2572.22	2601.76	Pass
40	-48	0	QPSK	0.02	2572.22	2601.76	Pass
			16QAM	0.99	2572.22	2601.76	Pass
			64QAM	0.56	2572.22	2601.76	Pass
		1	QPSK	0.8	2572.22	2601.76	Pass
			16QAM	0.49	2572.22	2601.76	Pass
			64QAM	0.31	2572.22	2601.76	Pass
50	-48	0	QPSK	0.49	2572.22	2601.76	Pass
			16QAM	-0.22	2572.22	2601.76	Pass
			64QAM	0.72	2572.22	2601.76	Pass
		1	QPSK	0.02	2572.22	2601.76	Pass
			16QAM	0.53	2572.22	2601.76	Pass
			64QAM	0.98	2572.22	2601.76	Pass
55	-48	0	QPSK	-0.47	2572.22	2601.76	Pass
			16QAM	0.04	2572.22	2601.76	Pass
			64QAM	-0.43	2572.22	2601.76	Pass
		1	QPSK	0.46	2572.22	2601.76	Pass
			16QAM	-0.11	2572.22	2601.76	Pass
			64QAM	0.85	2572.22	2601.76	Pass

## Frequency Stability versus Voltage

### One Carrier

Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2506MHz) FL=2496.14MHz, FH=2515.88MHz							
Voltage: Ref=-48V (%)	Temperature (°C)	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset( MHz)	FH+ Frequency Offset( MHz)	Result
85%	25°C	0	QPSK	0.4	2496.14	2515.88	Pass
			16QAM	0.37	2496.14	2515.88	Pass
			64QAM	-0.5	2496.14	2515.88	Pass
		1	QPSK	0.52	2496.14	2515.88	Pass
			16QAM	0.12	2496.14	2515.88	Pass
			64QAM	0.12	2496.14	2515.88	Pass
100%	25°C	0	QPSK	0.55	2496.14	2515.88	Pass
			16QAM	0.04	2496.14	2515.88	Pass
			64QAM	-1	2496.14	2515.88	Pass
		1	QPSK	1.42	2496.14	2515.88	Pass
			16QAM	0.52	2496.14	2515.88	Pass
			64QAM	0.32	2496.14	2515.88	Pass
115%	25°C	0	QPSK	0.47	2496.14	2515.88	Pass
			16QAM	0.24	2496.14	2515.88	Pass
			64QAM	0.58	2496.14	2515.88	Pass
		1	QPSK	-0.06	2496.14	2515.88	Pass
			16QAM	-0.11	2496.14	2515.88	Pass
			64QAM	0.52	2496.14	2515.88	Pass

Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2549MHz) FL=2539.14MHz, FH=2558.87MHz							
Voltage: Ref=-48V (%)	Temperature (°C)	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset( MHz)	FH+ Frequency Offset( MHz)	Result
85%	25°C	0	QPSK	0.31	2539.14	2558.87	Pass
			16QAM	0.62	2539.14	2558.87	Pass
			64QAM	-0.18	2539.14	2558.87	Pass

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2549MHz)</b>								
<b>FL=2539.14MHz, FH=2558.87MHz</b>								
<b>Voltage: Ref=-48V (%)</b>	<b>Temperature (°C)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset( MHz)</b>	<b>FH+ Frequency Offset( MHz)</b>	<b>Result</b>	
100%	25°C	1	QPSK	0.44	2539.14	2558.87	Pass	
			16QAM	0.32	2539.14	2558.87	Pass	
			64QAM	0.06	2539.14	2558.87	Pass	
		0	QPSK	0.18	2539.14	2558.87	Pass	
			16QAM	1.51	2539.14	2558.87	Pass	
			64QAM	-0.22	2539.14	2558.87	Pass	
			1	QPSK	0.59	2539.14	2558.87	Pass
				16QAM	0.78	2539.14	2558.87	Pass
				64QAM	-0.2	2539.14	2558.87	Pass
115%	25°C	0	QPSK	-0.37	2539.14	2558.87	Pass	
			16QAM	0.62	2539.14	2558.87	Pass	
			64QAM	-0.23	2539.14	2558.87	Pass	
		1	QPSK	-0.09	2539.14	2558.87	Pass	
			16QAM	-0.07	2539.14	2558.87	Pass	
			64QAM	-0.46	2539.14	2558.87	Pass	

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2592MHz)</b>							
<b>FL=2582.13MHz, FH=2601.88MHz</b>							
<b>Voltage: Ref=-48V (%)</b>	<b>Temperature (°C)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset( MHz)</b>	<b>FH+ Frequency Offset( MHz)</b>	<b>Result</b>
85%	25°C	0	QPSK	1.03	2582.13	2601.88	Pass
			16QAM	-0.09	2582.13	2601.88	Pass
			64QAM	-0.52	2582.13	2601.88	Pass
		1	QPSK	0.41	2582.13	2601.88	Pass
			16QAM	0.82	2582.13	2601.88	Pass
			64QAM	-0.61	2582.13	2601.88	Pass
100%	25°C	0	QPSK	-0.54	2582.13	2601.88	Pass
			16QAM	0.66	2582.13	2601.88	Pass
			64QAM	0.33	2582.13	2601.88	Pass
		1	QPSK	0.1	2582.13	2601.88	Pass
			16QAM	-0.49	2582.13	2601.88	Pass
			64QAM	0.26	2582.13	2601.88	Pass



**Frequency Stability vs. Temperature (Channel Bandwidth:20M Frequency :2592MHz)**  
**FL=2582.13MHz, FH=2601.88MHz**

Voltage: Ref=-48V (%)	Temperature (°C)	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset( MHz)	FH+ Frequency Offset( MHz)	Result
115%	25°C	0	QPSK	0.17	2582.13	2601.88	Pass
			16QAM	0.49	2582.13	2601.88	Pass
			64QAM	-0.1	2582.13	2601.88	Pass
		1	QPSK	0.98	2582.13	2601.88	Pass
			16QAM	0.66	2582.13	2601.88	Pass
			64QAM	-0.23	2582.13	2601.88	Pass

## Two Carrier

**Frequency Stability vs. Temperature (Channel Bandwidth:25M+25M Frequency :2506+2526MHz)**  
**FL=2496.21MHz, FH=2535.78MHz**

Voltage: Ref=-48V (%)	Temperature (°C)	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset( MHz)	FH+ Frequency Offset( MHz)	Result
85%	25°C	0	QPSK	-0.17	2496.21	2535.78	Pass
			16QAM	-0.52	2496.21	2535.78	Pass
			64QAM	0.27	2496.21	2535.78	Pass
		1	QPSK	1.35	2496.21	2535.78	Pass
			16QAM	-0.22	2496.21	2535.78	Pass
			64QAM	0.31	2496.21	2535.78	Pass
100%	25°C	0	QPSK	0.12	2496.21	2535.78	Pass
			16QAM	-0.11	2496.21	2535.78	Pass
			64QAM	-0.55	2496.21	2535.78	Pass
		1	QPSK	0.34	2496.21	2535.78	Pass
			16QAM	0.55	2496.21	2535.78	Pass
			64QAM	0.13	2496.21	2535.78	Pass
115%	25°C	0	QPSK	0.5	2496.21	2535.78	Pass
			16QAM	-0.13	2496.21	2535.78	Pass
			64QAM	0.81	2496.21	2535.78	Pass
		1	QPSK	0.56	2496.21	2535.78	Pass
			16QAM	0.36	2496.21	2535.78	Pass
			64QAM	0.48	2496.21	2535.78	Pass

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2539+2559MHz) FL=2539.22MHz, FH=2568.76MHz</b>							
<b>Voltage: Ref=-48V (%)</b>	<b>Temperature (°C)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset( MHz)</b>	<b>FH+ Frequency Offset( MHz)</b>	<b>Result</b>
85%	25°C	0	QPSK	0.78	2539.22	2568.76	Pass
			16QAM	0.64	2539.22	2568.76	Pass
			64QAM	0.14	2539.22	2568.76	Pass
		1	QPSK	-0.07	2539.22	2568.76	Pass
			16QAM	-0.02	2539.22	2568.76	Pass
			64QAM	0.29	2539.22	2568.76	Pass
100%	25°C	0	QPSK	-0.23	2539.22	2568.76	Pass
			16QAM	0.02	2539.22	2568.76	Pass
			64QAM	-0.68	2539.22	2568.76	Pass
		1	QPSK	0.62	2539.22	2568.76	Pass
			16QAM	0.16	2539.22	2568.76	Pass
			64QAM	0.8	2539.22	2568.76	Pass
115%	25°C	0	QPSK	0.68	2539.22	2568.76	Pass
			16QAM	0.51	2539.22	2568.76	Pass
			64QAM	0.83	2539.22	2568.76	Pass
		1	QPSK	-0.34	2539.22	2568.76	Pass
			16QAM	0.76	2539.22	2568.76	Pass
			64QAM	-0.83	2539.22	2568.76	Pass

<b>Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2582+2592MHz) FL=2572.22MHz, FH=2601.76MHz</b>							
<b>Voltage: Ref=-48V (%)</b>	<b>Temperature (°C)</b>	<b>Port</b>	<b>Modulation</b>	<b>Frequency Measure Error (Hz)</b>	<b>FL+ Frequency Offset( MHz)</b>	<b>FH+ Frequency Offset( MHz)</b>	<b>Result</b>
85%	25°C	0	QPSK	-0.37	2572.22	2601.76	Pass
			16QAM	0.52	2572.22	2601.76	Pass
			64QAM	0.48	2572.22	2601.76	Pass
		1	QPSK	-0.66	2572.22	2601.76	Pass
			16QAM	-0.22	2572.22	2601.76	Pass
			64QAM	0.19	2572.22	2601.76	Pass
100%	25°C	0	QPSK	0.68	2572.22	2601.76	Pass
			16QAM	0.14	2572.22	2601.76	Pass
			64QAM	0.46	2572.22	2601.76	Pass
		1	QPSK	-0.22	2572.22	2601.76	Pass

**Frequency Stability vs. Temperature (Channel Bandwidth:20M+20M Frequency :2582+2592MHz)**  
**FL=2572.22MHz, FH=2601.76MHz**

Voltage: Ref=-48V (%)	Temperature (°C)	Port	Modulation	Frequency Measure Error (Hz)	FL+ Frequency Offset (MHz)	FH+ Frequency Offset (MHz)	Result
			16QAM	0.22	2572.22	2601.76	Pass
			64QAM	0.61	2572.22	2601.76	Pass
115%	25°C	0	QPSK	-1.81	2572.22	2601.76	Pass
			16QAM	1.33	2572.22	2601.76	Pass
			64QAM	-0.69	2572.22	2601.76	Pass
		1	QPSK	1.04	2572.22	2601.76	Pass
			16QAM	1.03	2572.22	2601.76	Pass
			64QAM	1.16	2572.22	2601.76	Pass