



FCC RF TEST REPORT

Report Number : **RP20170314030_03** Date of Issue: **12 Mar 2017**

FCC ID : **Q78-R8862AS8500**

Model / Serial No. : **ZXSDR R8862A S8500**

Product Type : **Macro Remote Radio Unit**

Applicant : **ZTE Corporation**

Address : **ZTE Plaza, Keji Road South, Hi-Tech Industrial Park,
Nanshan District, Shenzhen, Guangdong, P.R. China**

Production Facility : **ZTE Corporation**

Address : **ZTE Plaza, Keji Road South, Hi-Tech Industrial Park,
Nanshan District, Shenzhen, Guangdong, P.R. China**

Test Result : **Positive** **Negative**

Total pages including Appendices : **60**

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1 General Information

1.1 Notes

It is the test results from all the tests which are performed in the RF Laboratory of Shenzhen Zoom Rel Testing Technology Co., Ltd. The RF Lab was certificated by CNAS and the registration number was L0611.

Test site has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on May 10, 2016.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 373926. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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Prepared By
RF Test Engineer

2017-03-12
Date

Qi Luxing
Name


Signature

Reviewed By
Laboratory Manager

2017-03-12
Date

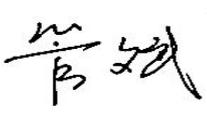
Wu Shuzhong
Name


Signature

Approved by
EMC/RF Project Manager

2017-03-12
Date

Guan Bin
Name


Signature



1.2 Testing Laboratory

Shenzhen Zoom Rel Testing Technology Co., Ltd.

Address: 1/F, B2 Wing, ZTE plaza, Keji Road South, Hi-Tech industrial park, Shenzhen, Guangdong, 518057

Country: China

Phone: +86 755 26770349

FAX: +86 755 26770347

1.3 Details of Manufacture

Manufacture : ZTE Corporation

ADDRESS: ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, P.R. China

PRODUCT DESCRIPTION: Macro Remote Radio Unit

MANUFACTURERS MODEL/SERIAL NUMBER: ZXSDR R8862A S8500(UMTS)

FCC ID : Q78-R8862AS8500

SAMPLE NUMBER: S20170314030

1.4 Application Details

Date of receipt of order: 2017-01-04

Date of receipt of test item: 2017-01-04

Date of test: 2017-01-04~2017-03-05

1.5 Test Item

Refer to Chapter 2.

1.6 Applied Standard

APPLIED PRODUCT STANDARD	TIA/EIA 603-C:2004
TEST METHODS	FCC 47 CFR Part1:2016 FCC 47 CFR Part2:2016 FCC 47 CFR Part22:2016



2 Summary of Results

FCC RULES	DESCRIPTION OF TEST	RESULT
§2.1046 ,§22.913	Transmitter output Power	Compliant
§2.1091 ,§1.1310	RF Exposure	Compliant
§2.1047	Modulation Characteristic	Compliant
§2.1053, §22.917	Spurious Radiated Emissions	Compliant
§2.1051, §22.917	Spurious Emissions AT Antenna Terminals	Compliant
§2.1049 §22.917	Occupied Bandwidth	Compliant
§2.1051, §22.917	Band Edge	Compliant
§ 2.1055, §22.355	Frequency stability	Compliant

3 Equipment Specification

3.1 Technical specification

Size: 422 mm x 218 mm x 133 mm (HxWxD)

Input voltage: -37V~-60V

Frequency range: UL:824MHz~849MHz; DL: 869MHz~894MHz

Max RF output power: 47.7dBm

Gain of the antenna: 15dBi

Appearance of EUT:



fig 1. FIGURE 1 APPEARANCE OF ZXSDR R8862A S8500

4 Test configuration

The EUT was configured for testing according to TIA/EIA-603C.

The final qualification test was performed with EUT operating at normal mode.

Equipment Modifications

ZTE Corporation has not done any modification on the EUT.

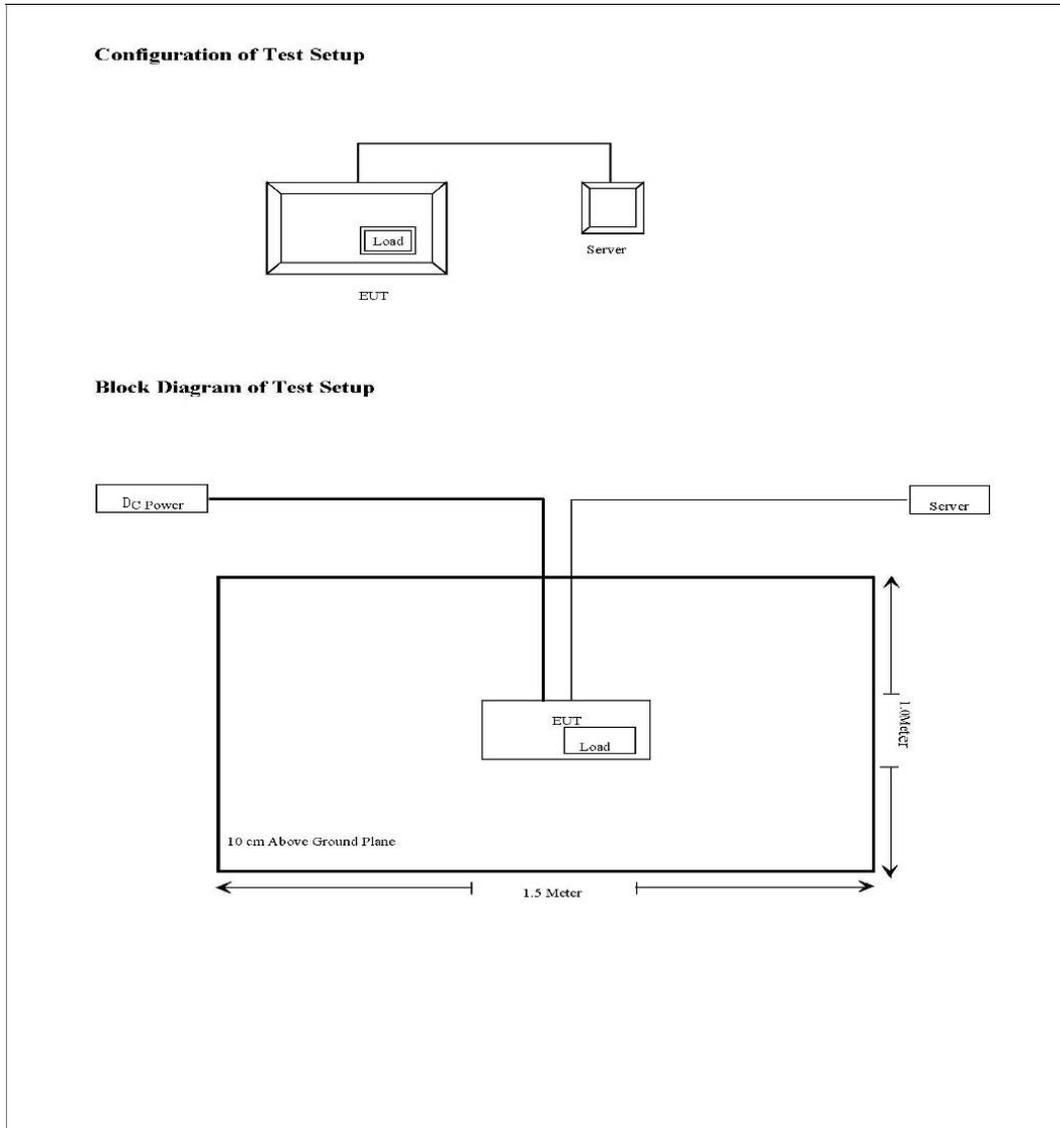


fig 2. Test configuration

5 TRANSMITTER OUTPUT POWER

5.1 Applicable Standard: FCC §2.1046 §22.913

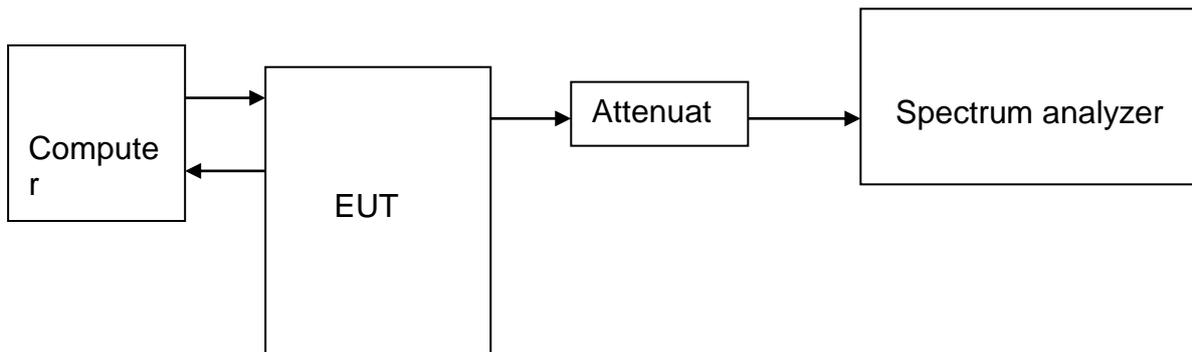
According to FCC §2.1046 & 22.913, the ERP (equivalent radiated power) must not exceed 500 Watts.

5.2 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51160170	2016-6-22	2017-6-21
YLT	40dB Attenuator	SJ-SN-200	2009010555	N.A	N.A
Forstar	Forstar RF Cable	031-D	1034	N.A	N.A

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

5.3 Test Procedure



The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. External attenuation Loss is 40dB, Cable Loss is about 0.6dB

5.4 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

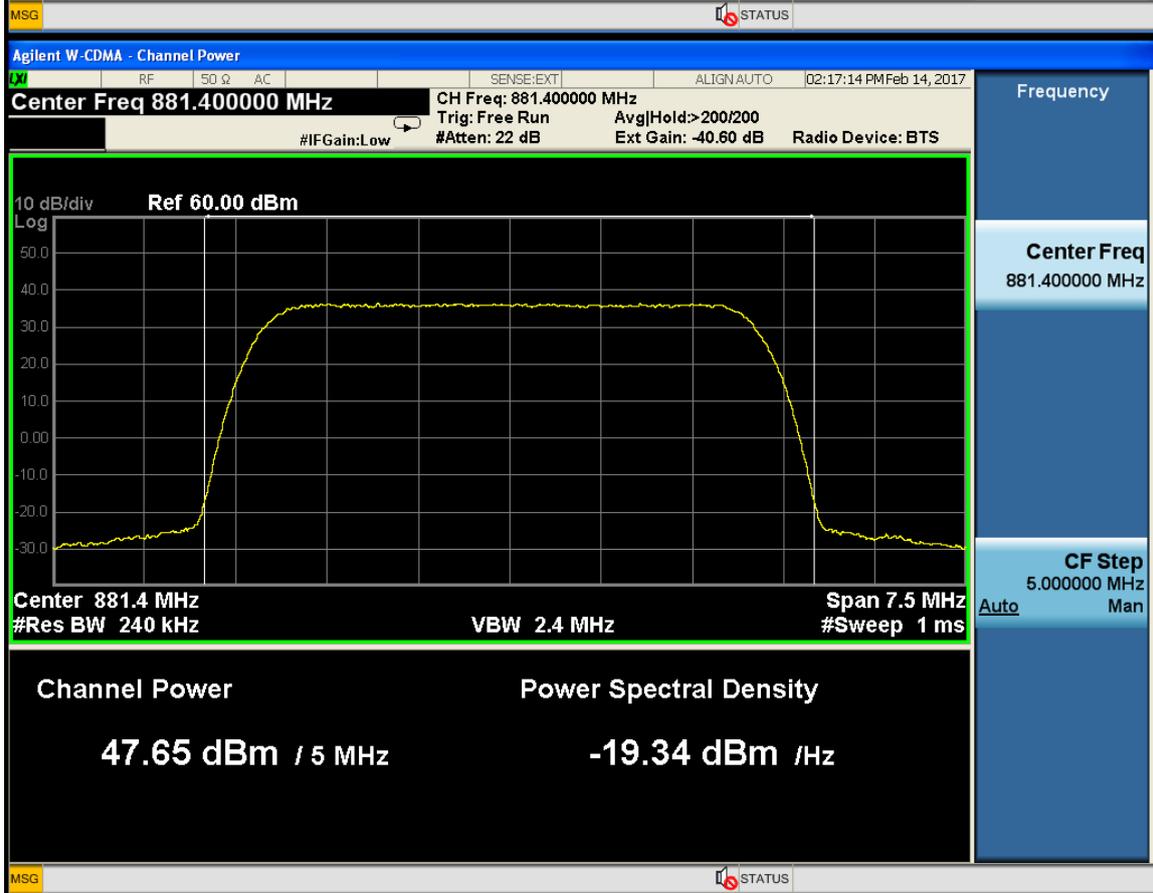
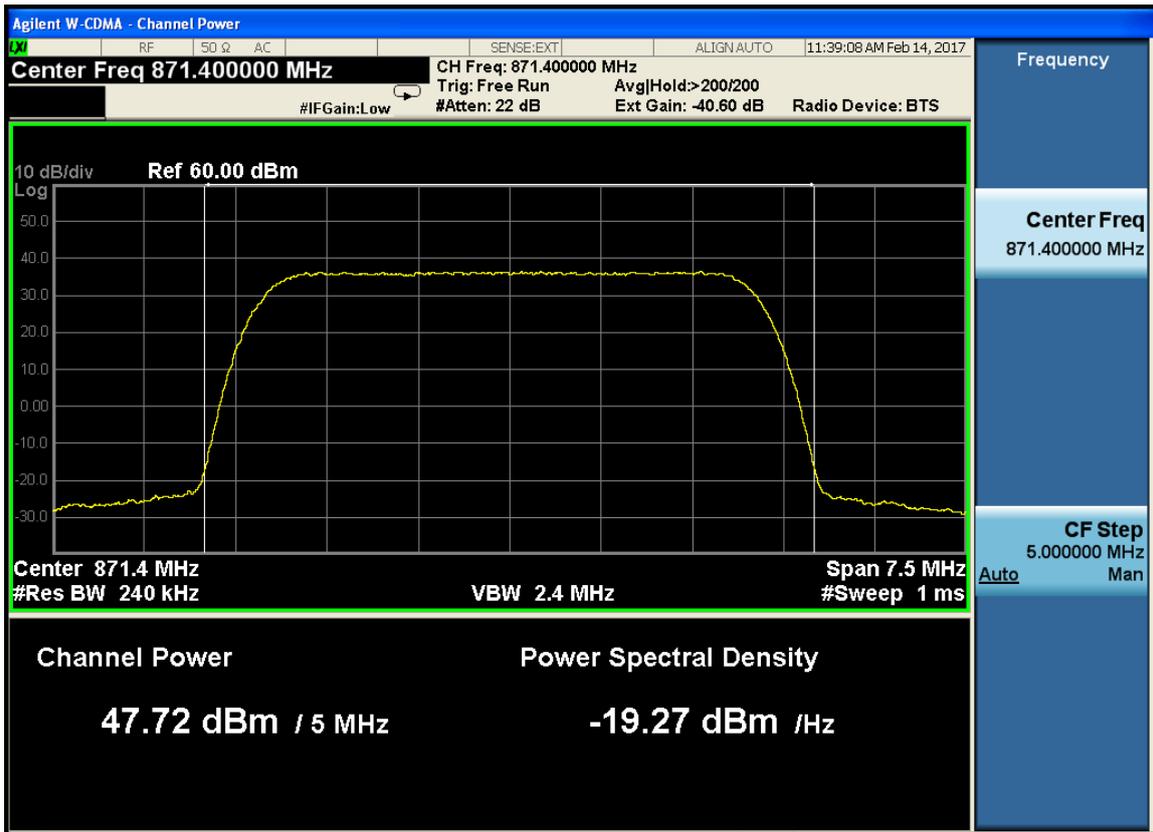
5.5 Test Result: Pass

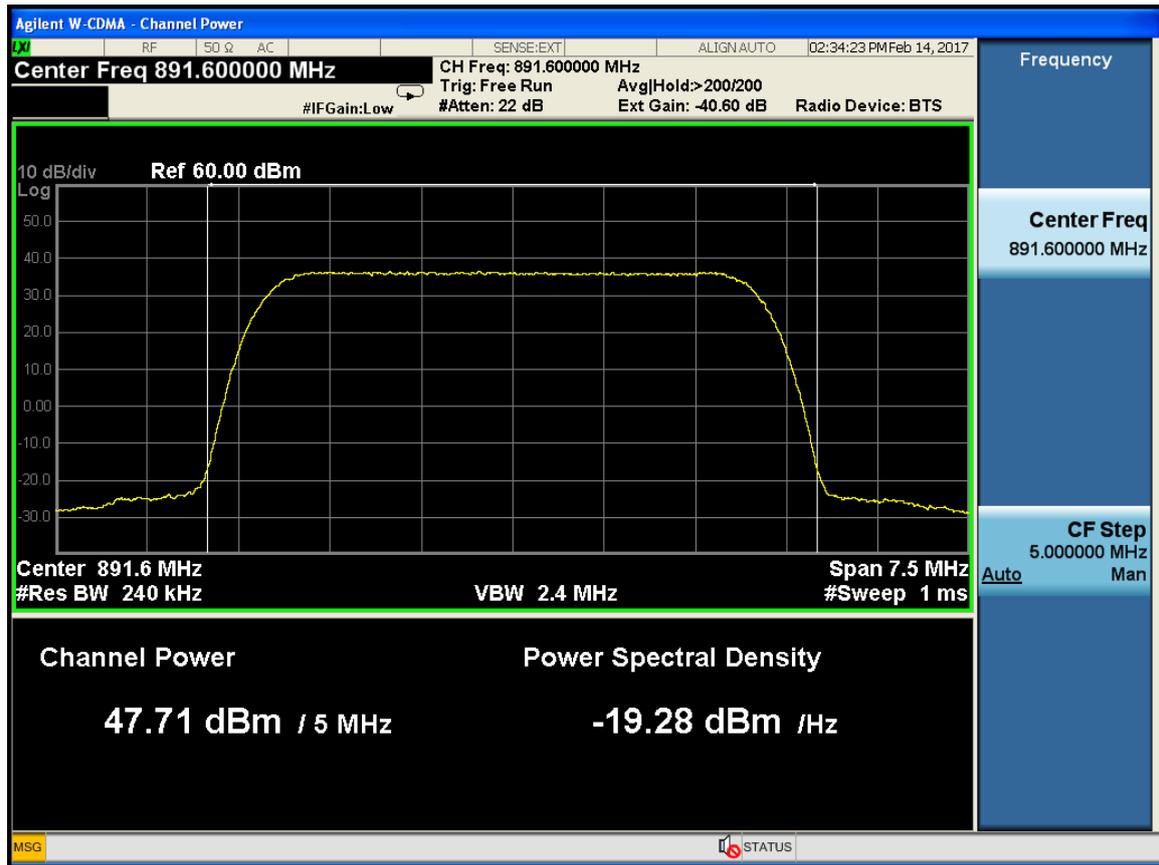
5.6 Test Mode: Transmitting UMTS

5.7 Test Data:

One carrier

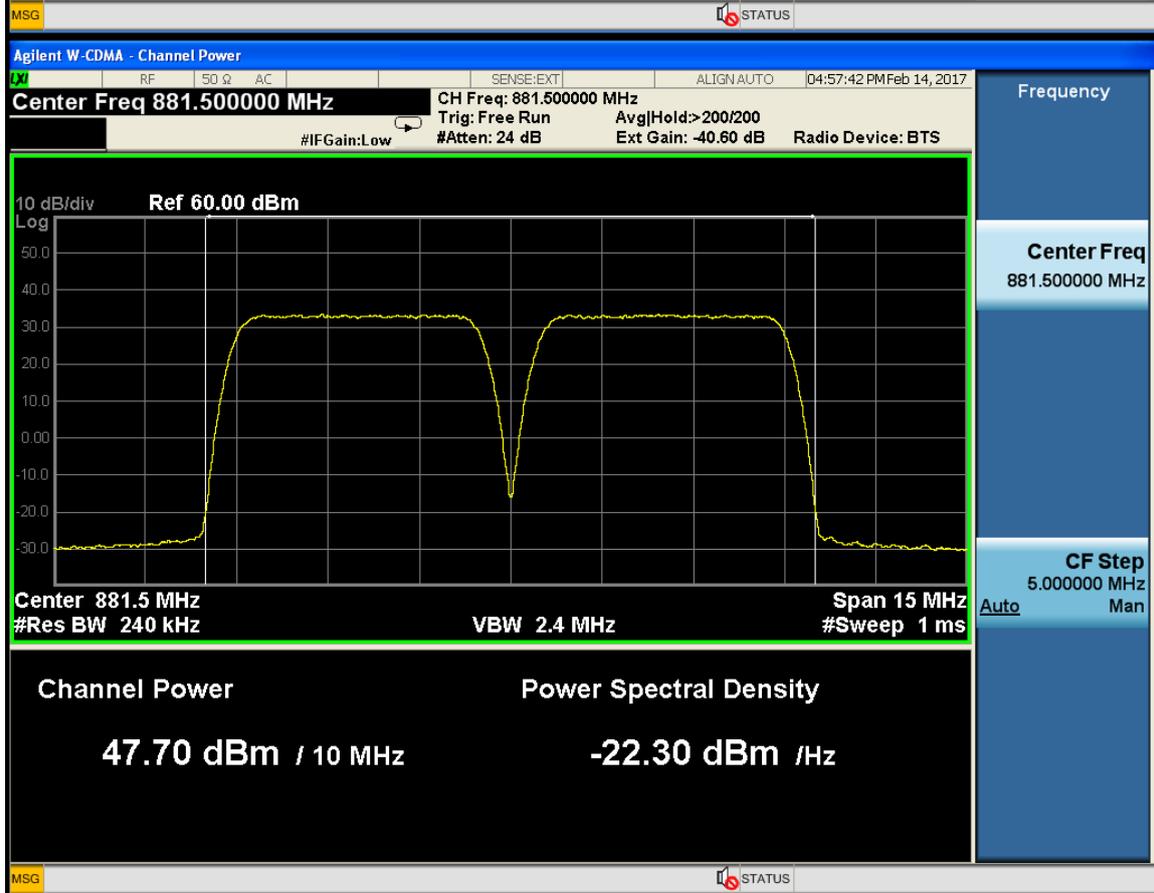
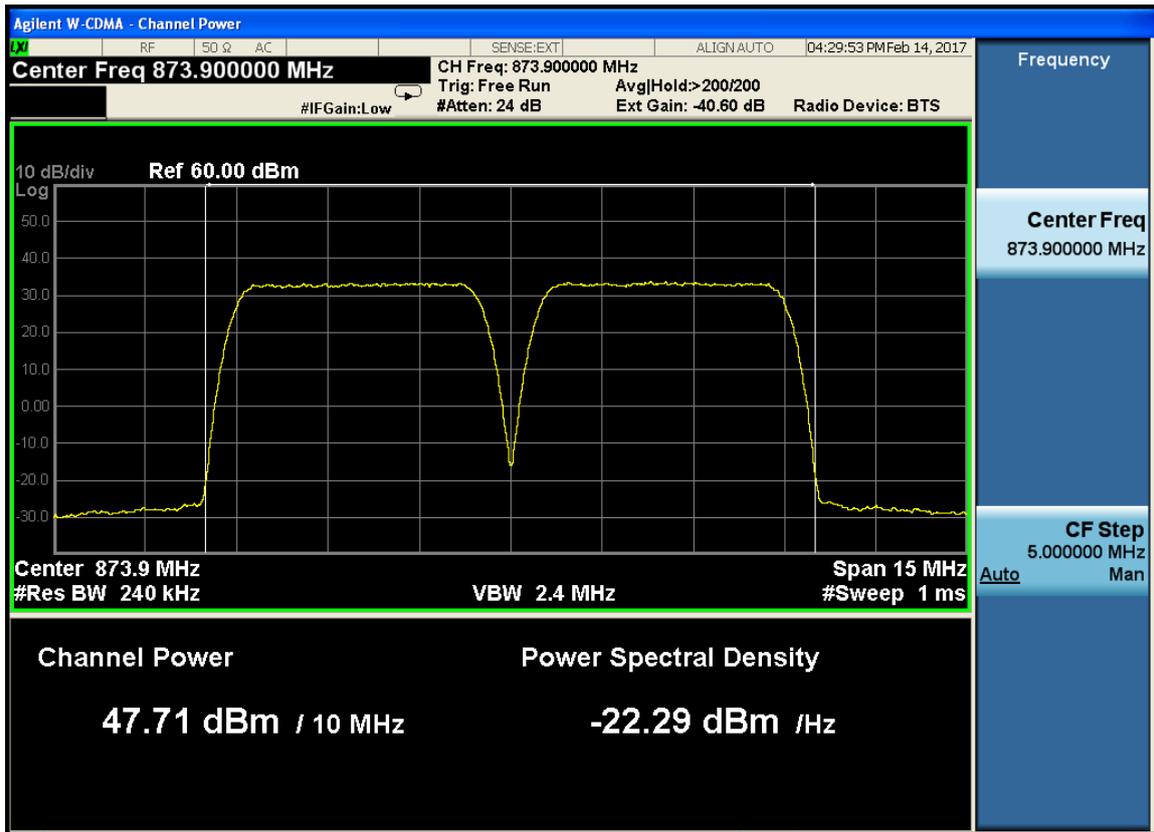
Center Freq. (MHz)	Frequency (MHz)	Max output Power (dBm)
871.4	871.4	47.72
881.4	881.4	47.65
891.6	891.6	47.71

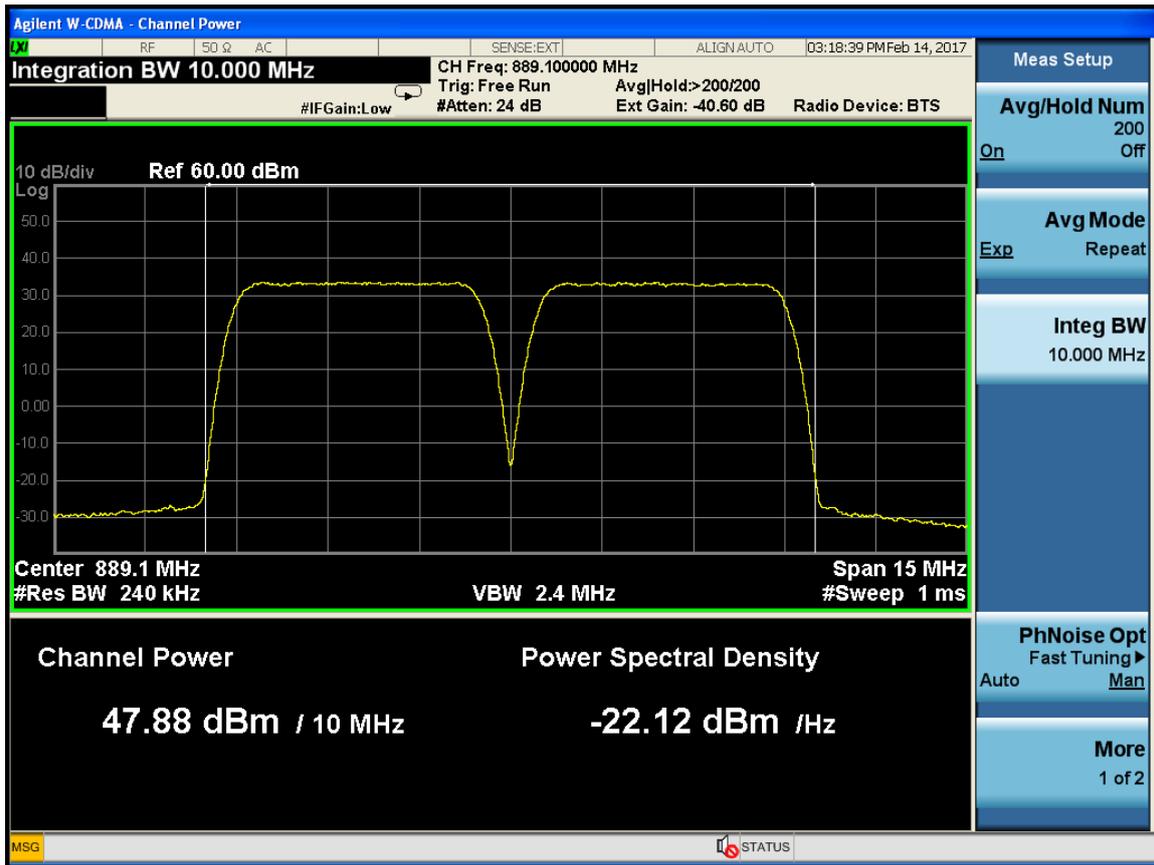




Two carriers

Center Freq. (MHz)	Frequency (MHz)	Max output Power (dBm)
873.9	871.4/876.4	47.71
881.5	879/884	47.70
889.1	886.6/891.6	47.88







6 RF EXPOSURE

6.1 Applicable standard: FCC §2.1091 §1.1310

6.2 Limit

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated. Limits for Maximum Permissible Exposure (MPE)

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

6.3 Test Data

Predication of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \text{EIRP} / 4\pi R^2$$

Where: S = power density

EIRP= equivalent isotropically radiated power=ERP+2.15dB

R = distance to the center of radiation of the antenna= [(ERP+2.15dB)/4πS]^{1/2}

Maximum ERP, In general, the effective radiated power (ERP) of base transmitters and cellular repeaters must not exceed 500 Watts.

Frequency is between 300MHz and 1500MHz, and the Maximum, S=894/1500=0.596mW/cm², R=3.31m.

This equipment should be installed and operated with minimum distance 3.31m between the radiator& your body.

6.4 Test Result: pass



7 MODULATION CHARACTERISTIC

7.1 Applicable Standard: FCC §2.1047

7.2 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51160170	2016-6-22	2017-6-21
YLT	40dB Attenuator	SJ-SN-200	2009010555	N.A	N.A
Forstar	Forstar RF Cable	031-D	1034	N.A	N.A

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

7.3 Test Procedure

CDMA digital mode is used by EUT.

7.4 Test Data Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

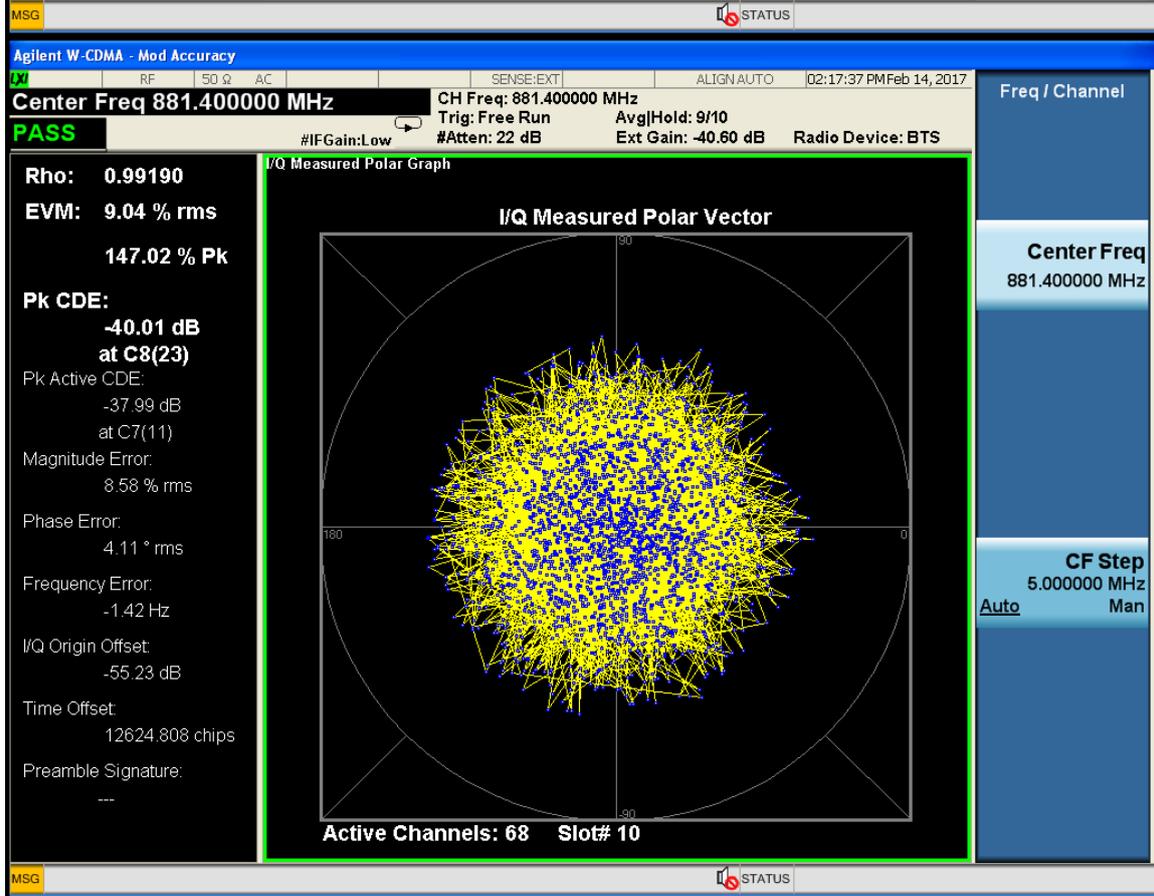
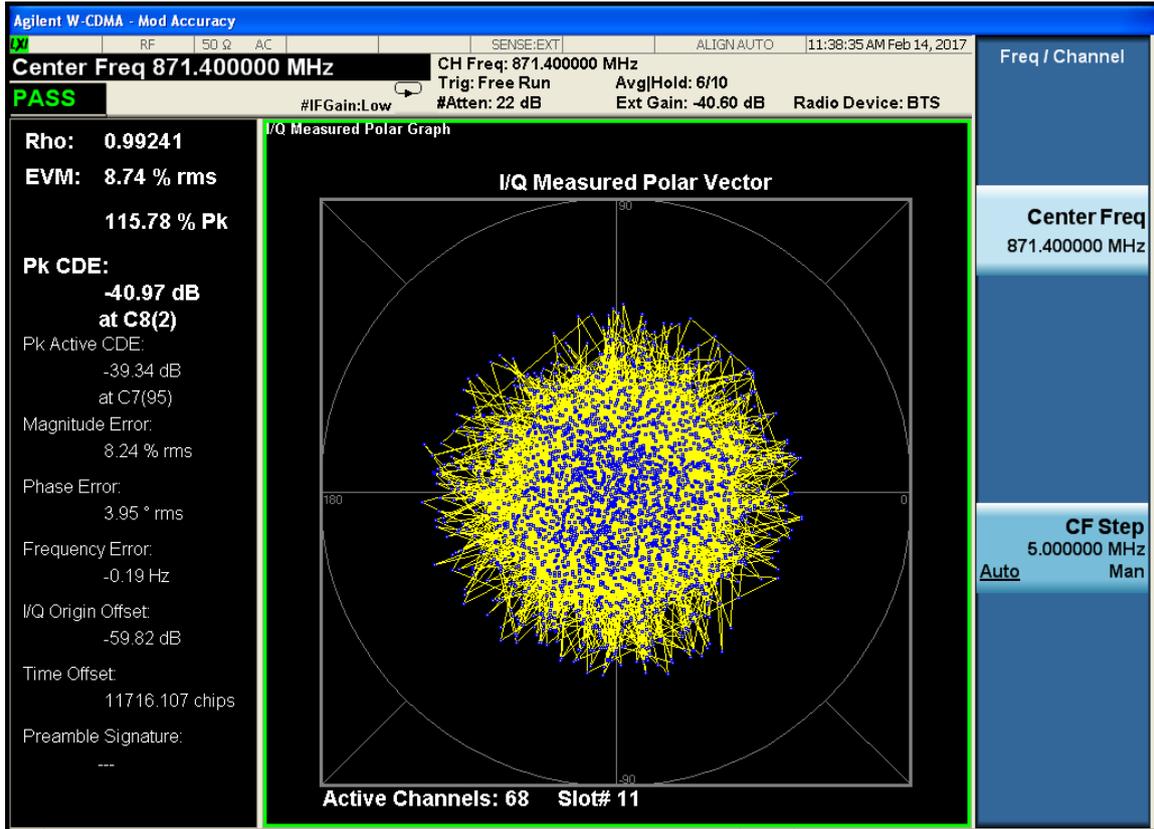
7.5 Test Result: Pass

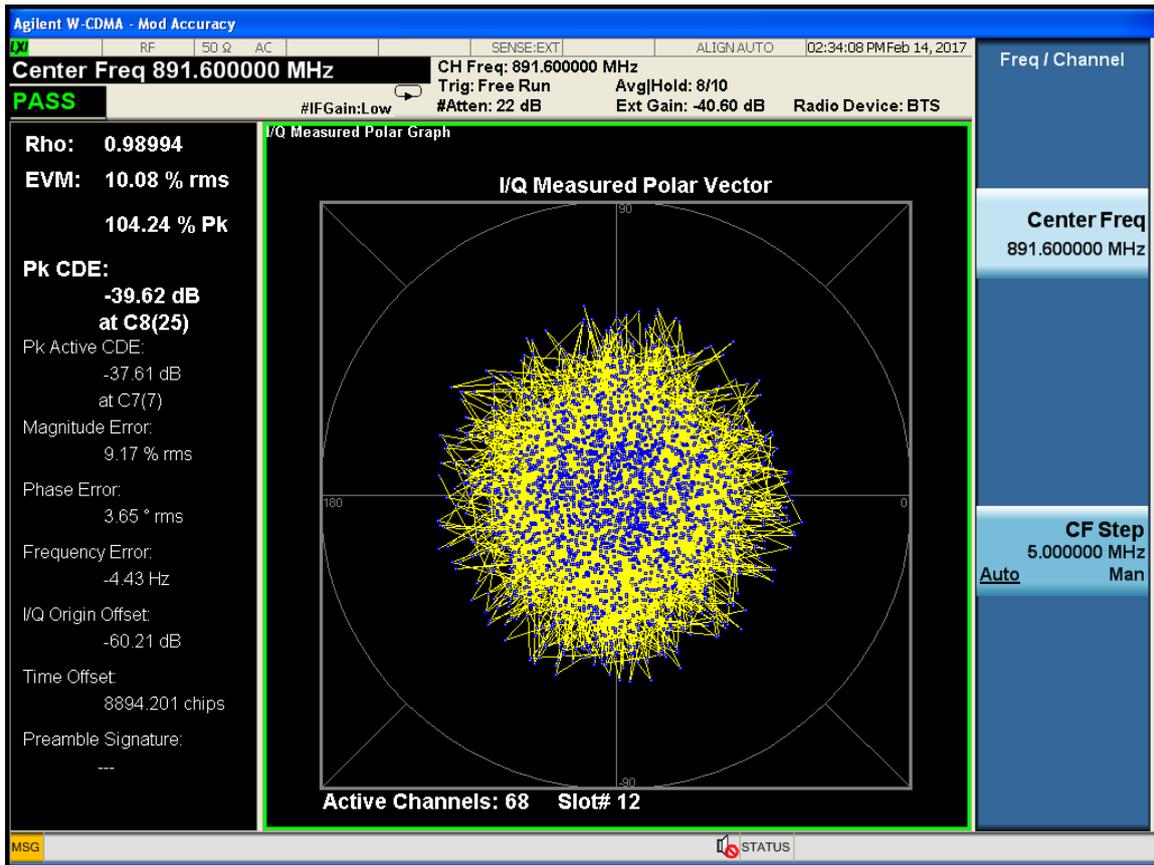
7.6 Test Mode: Transmitting UMTS

7.7 Test Data:

One carrier

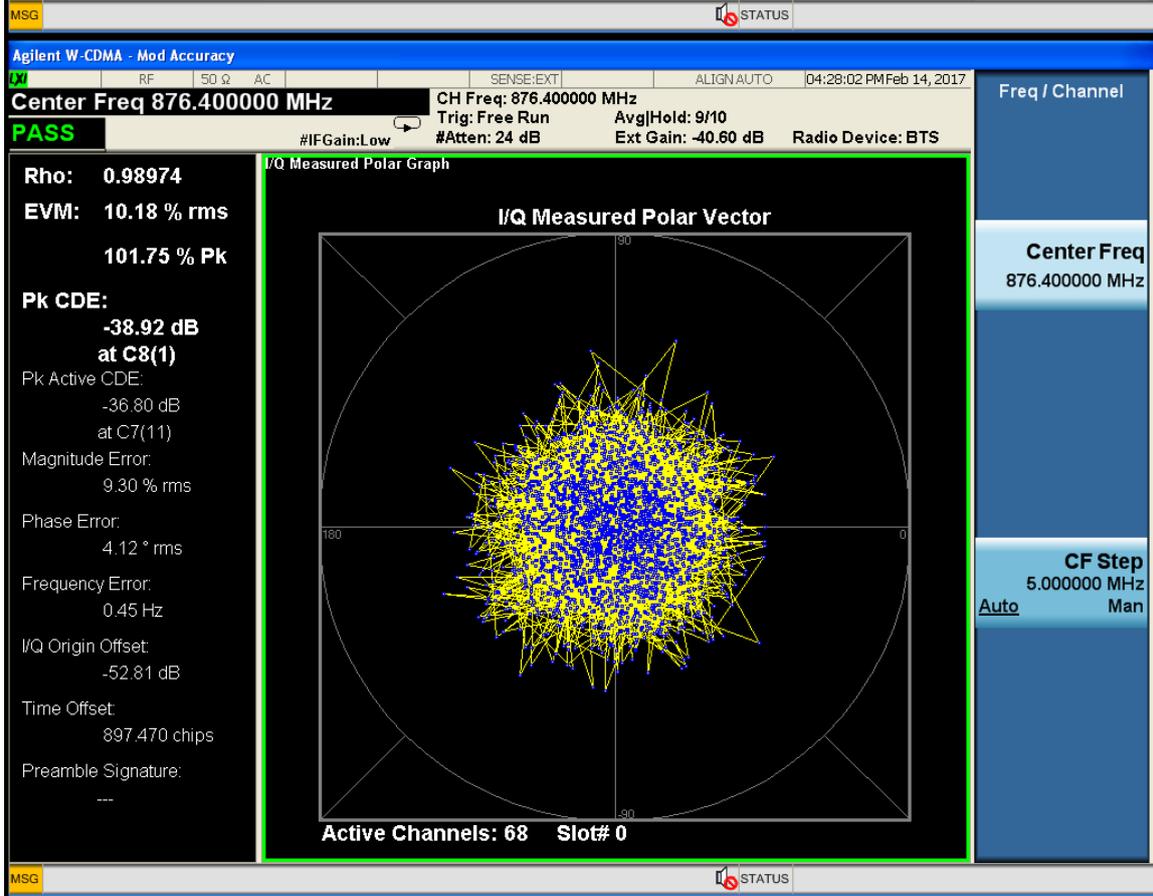
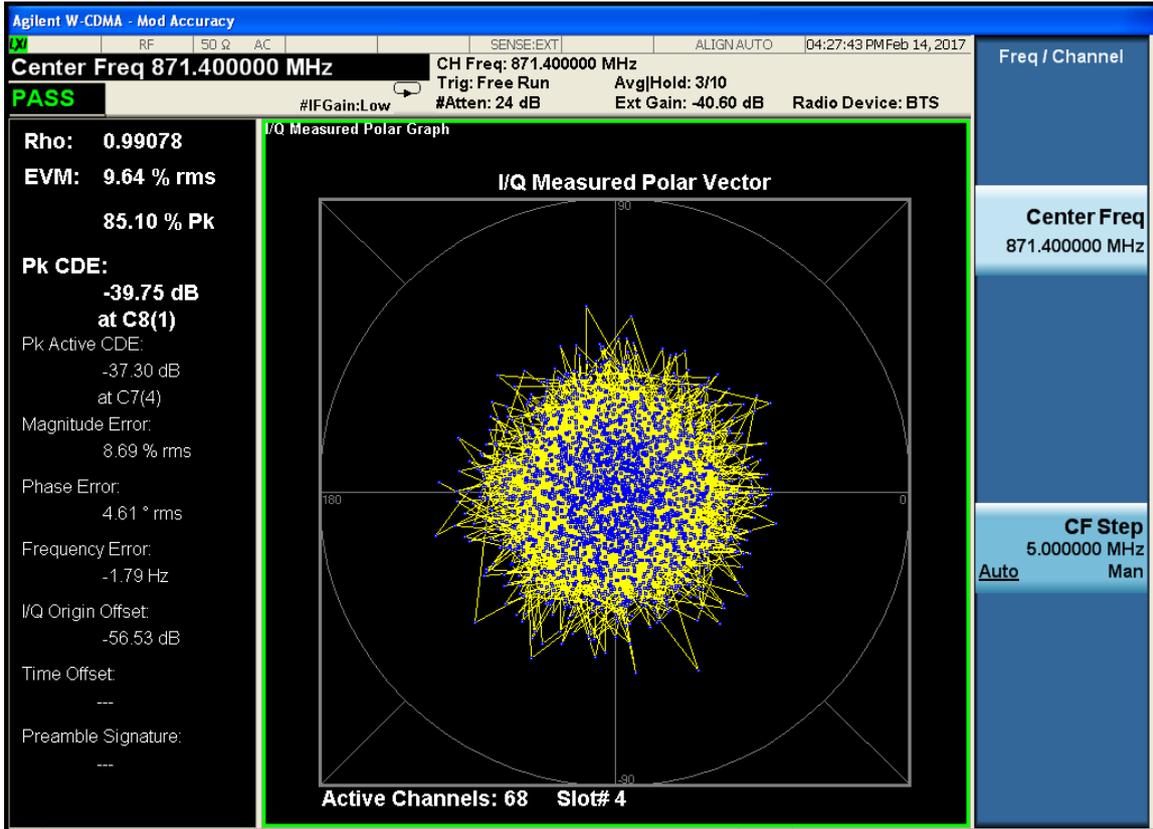
Frequency (MHz)	EVM(%rms)
871.4	8.74
881.4	9.04
891.6	10.08

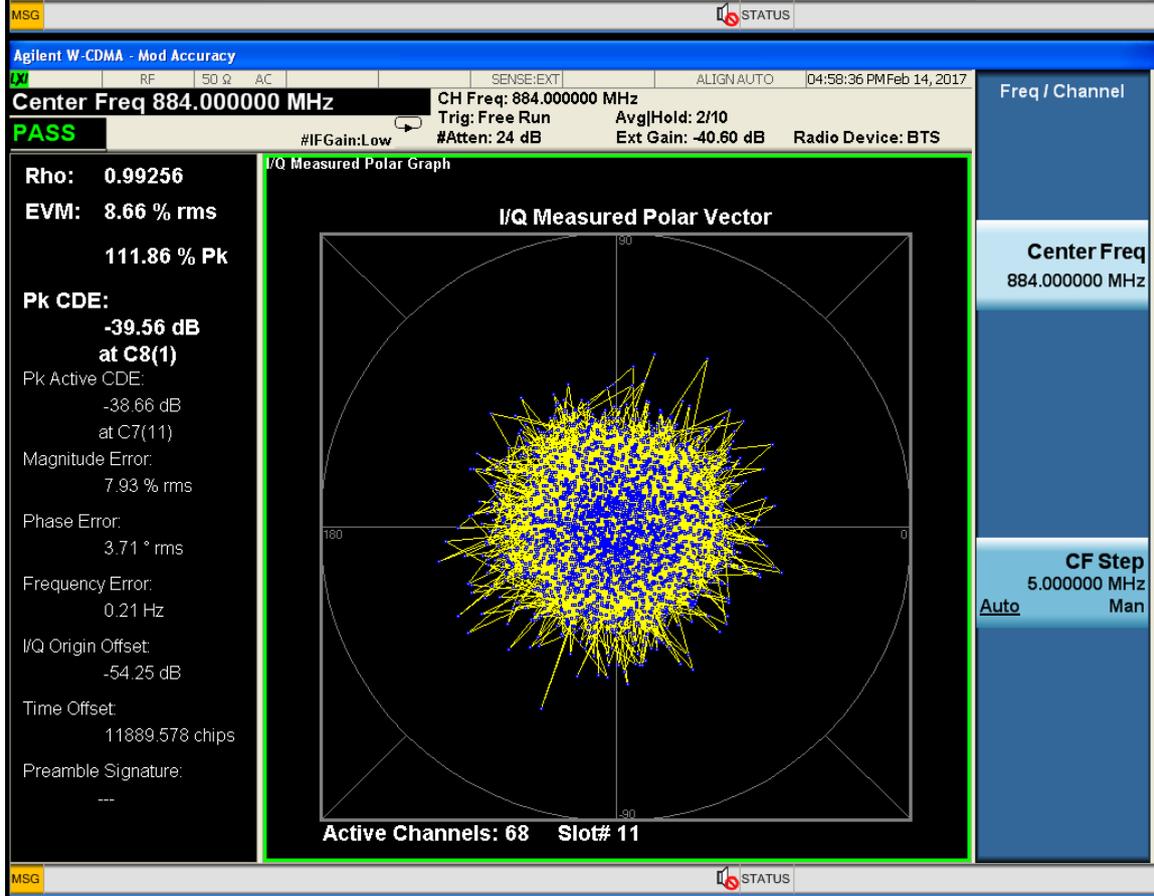
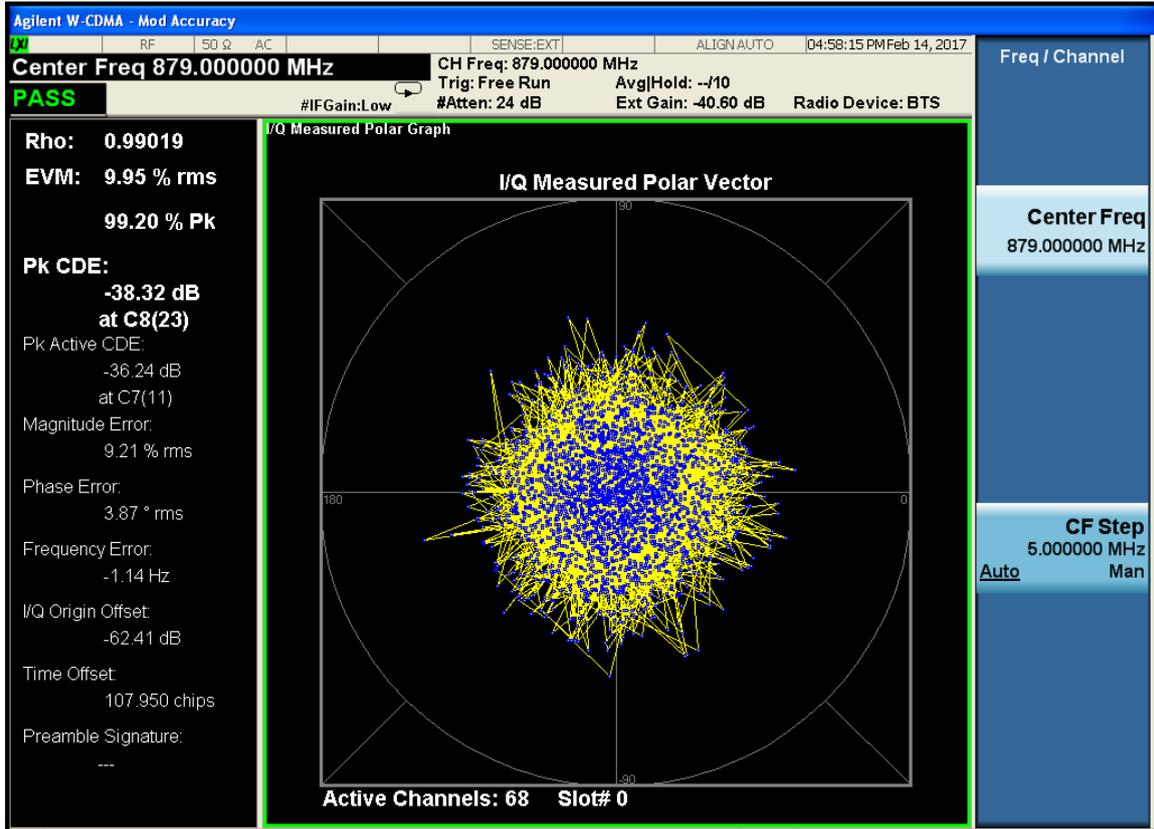


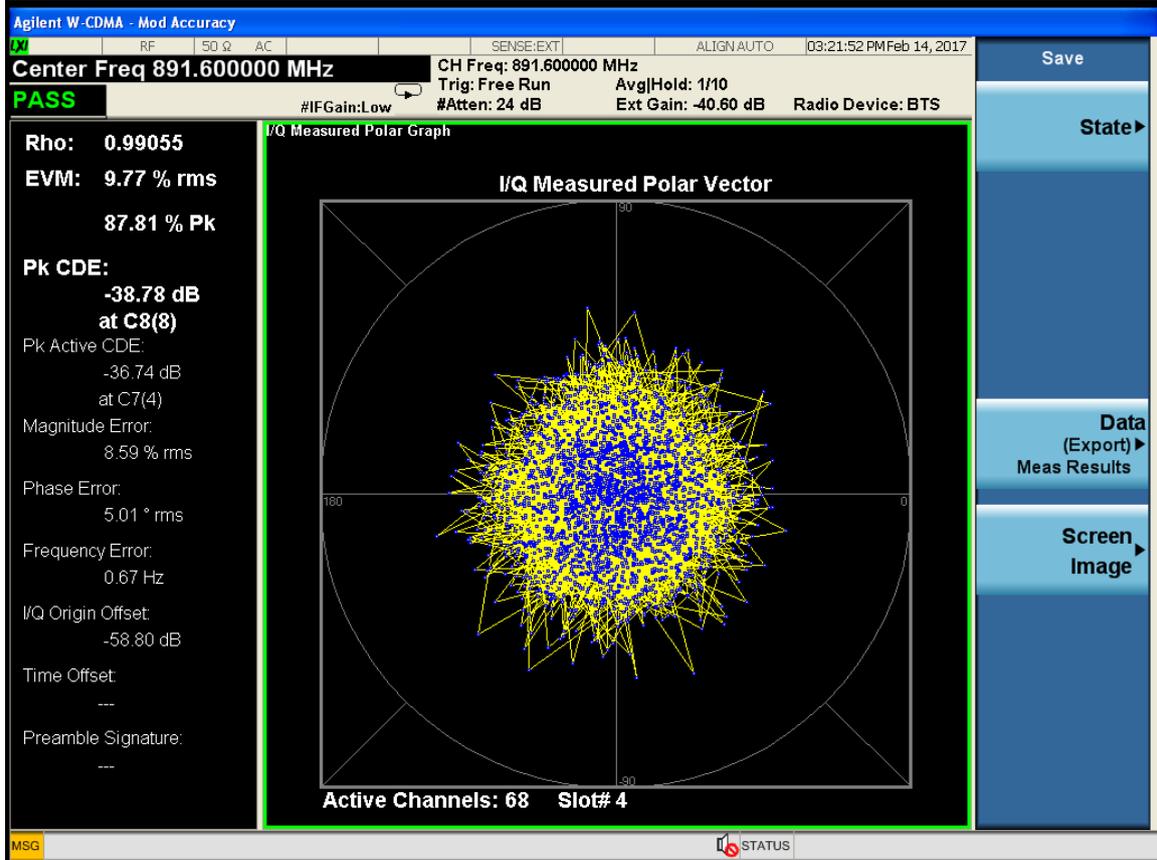
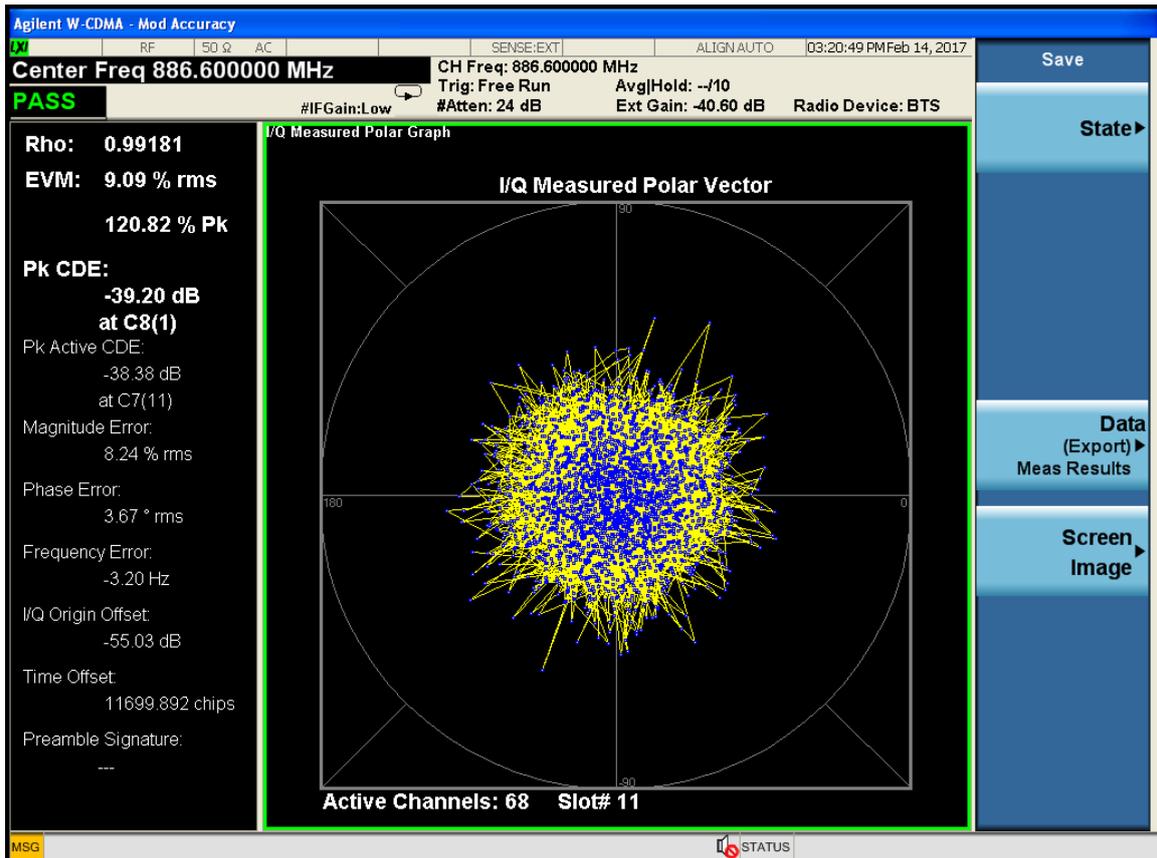


Two carriers

Center Frequency (MHz)	Frequency (MHz)	EVM(%rms)
873.9	871.4	9.64
	876.4	10.18
881.5	879	9.95
	884	8.66
889.1	886.6	9.09
	891.6	9.77









8 SPURIOUS RADIATED EMISSIONS

8.1 Applicable Standard: FCC CFR 47, §2.1053

8.2 Test Equipment List and Details

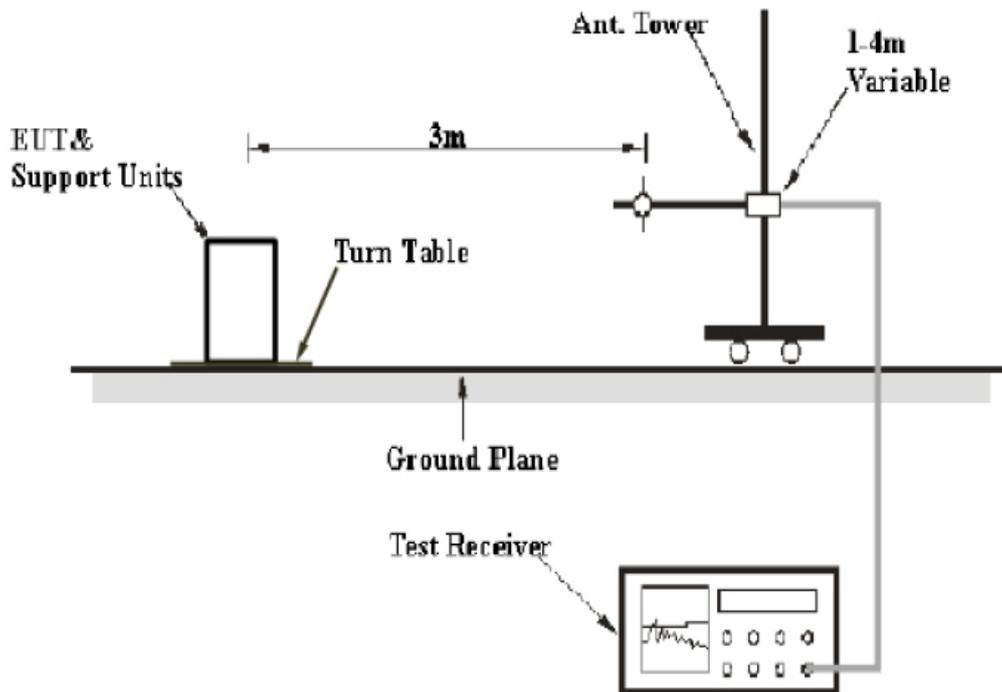
Manufacturer	8.2.1.1.1 Equipment	Model	Serial Number	Last Cal.	Cal. Interval
R&S	SIGNAL GENERATOR	SMR20	A00017351	2011-9-26	1 year
Albatross	Anechoic Chamber	3m Site	A00017354	2011-11-2	1 year
R&S	EMI Test Receiver	ESIB26	100058	2011-10-29	1 year
R&S	Ultra Breitband Antennas	HL562	100022	2011-7-29	1 year
R&S	Double-Ridged Waveguide Horn Antenna	HF906	100032	2011-7-29	1 year
R&S	Double-Ridged Waveguide Horn Antenna	HF906	100446	2011-7-29	1 year
SCHWARZ-BECK	Biconical Antenna	VUBA9117	9117-122	2011-7-29	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.

8.3 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 teeth 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.

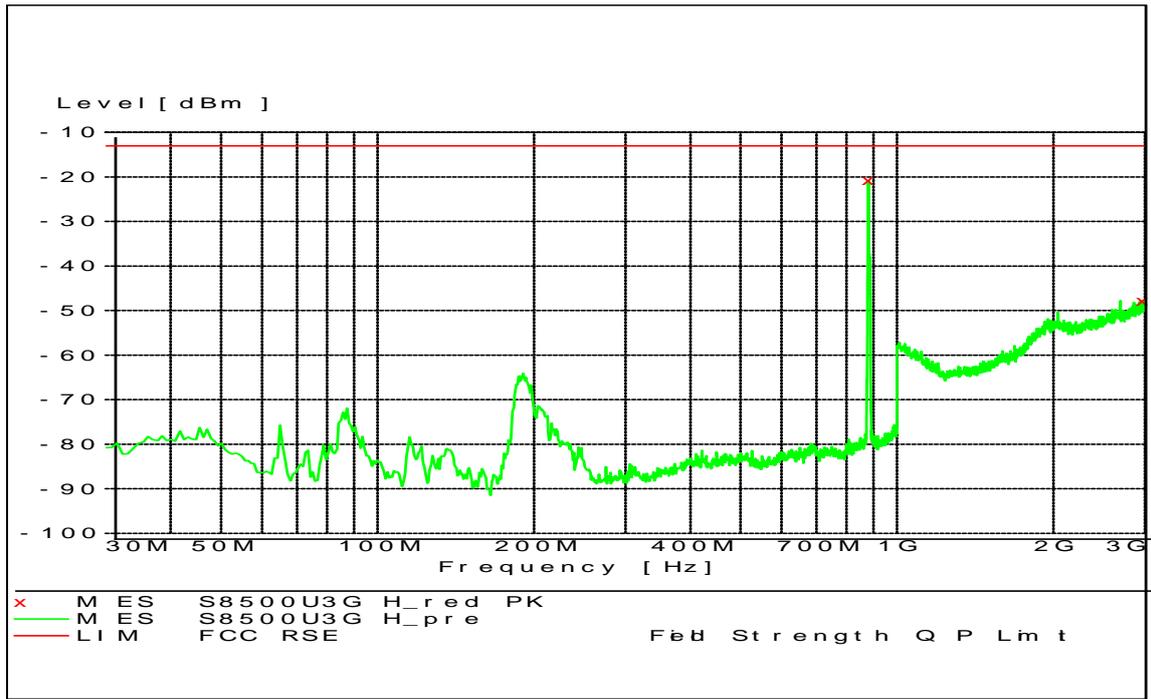
8.4 Test Results Summary: PASS

8.5 Environmental Conditions

Temperature:	25°C
Relative Humidity:	60 %
ATM Pressure:	1009 mbar

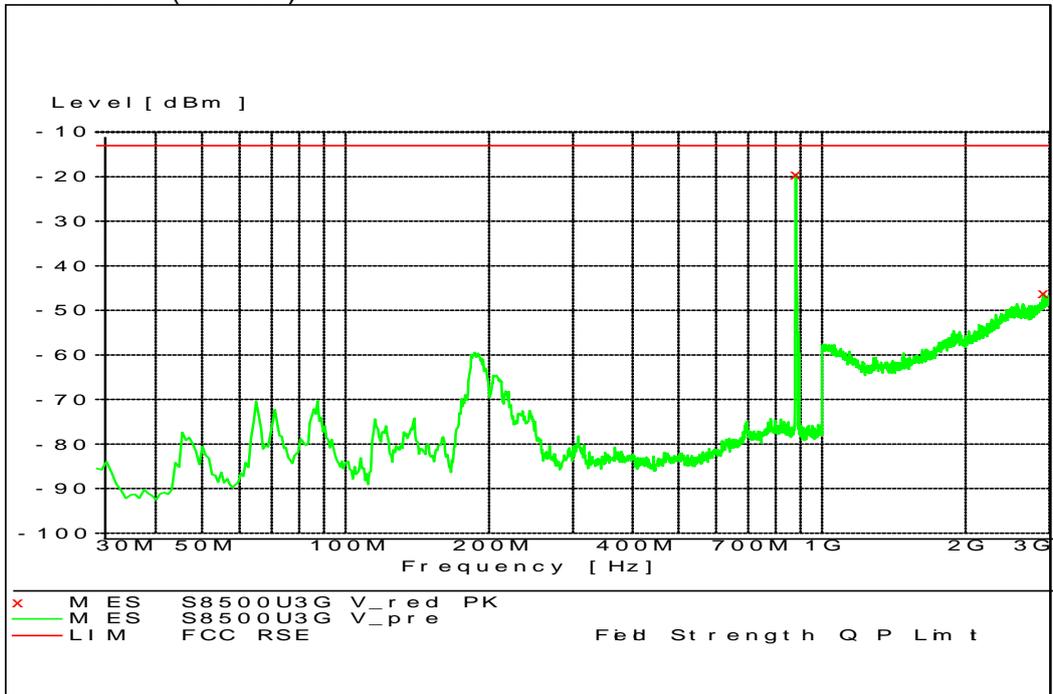
8.6 Test data

30M-3GHz (Horizontal)



Frequency	Level	Azimuth	Height	Polarisation	Transd	Limit	Margin
MHz	dBm	deg	cm		dBm	dBm	dB
882.824000	-20.82	84.20	100.0	HOR	-122.0	-13	7.8
2972.800000	-47.79	208.30	200.0	HOR	-99.0	-13	34.8

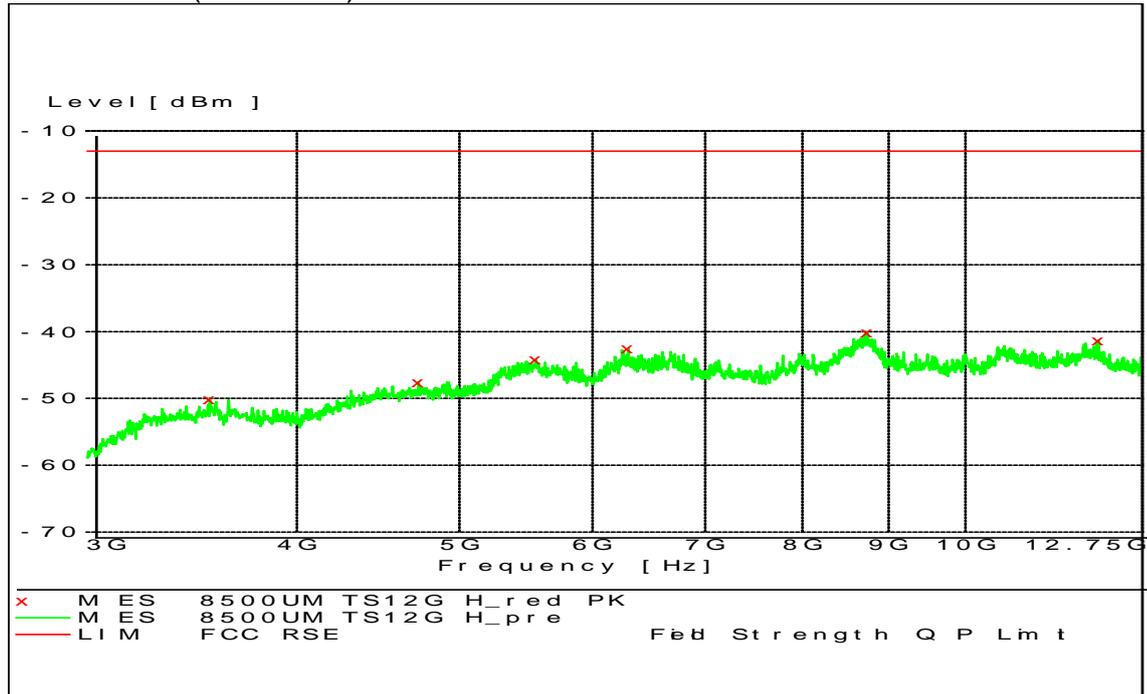
30M-3GHz (Vertical)



Frequency	Level	Azimuth	Height	Polarisation	Transd	Limit	Margin
MHz	dBm	deg	cm		dBm	dBm	dB
883.600000	-19.48	8.30	100.0	VER	-120.1	-13	6.5
2913.600000	-46.22	143.40	200.0	VER	-97.9	-13	33.2

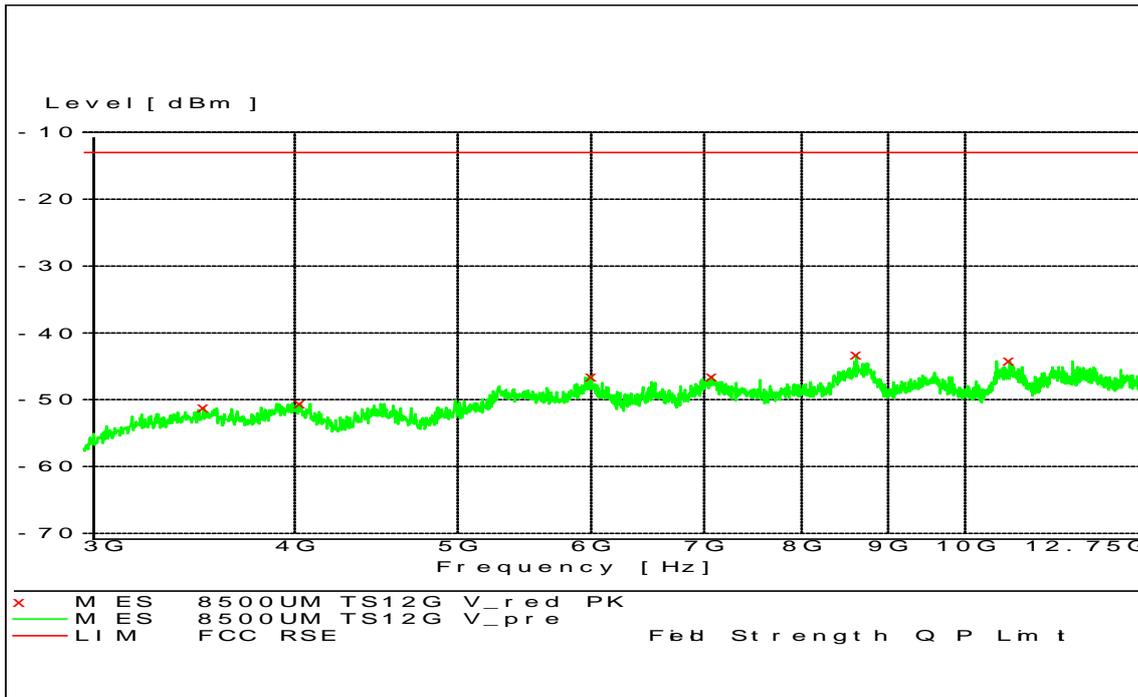


3-12.75GHz (Horizontal)



Frequency MHz	Level dBm	Azimuth deg	Height cm	Polarisation	Transd dBm	Limit dBm	Margin dB
3550.400000	-50.09	10.20	200.0	HOR	-89.4	-13	37.1
4728.000000	-47.50	180.50	100.0	HOR	-84.7	-13	34.5
5550.400000	-44.17	187.40	100.0	HOR	-79.4	-13	31.2
6299.200000	-42.55	77.00	100.0	HOR	-77.3	-13	29.6
8743.400000	-40.06	16.50	200.0	HOR	-72.4	-13	27.1
12004.800000	-41.28	169.80	200.0	HOR	-72.9	-13	28.3

3-12.75GHz (Vertical)



Frequency MHz	Level dBm	Azimuth deg	Height cm	Polarisation	Transd dBm	Limit dBm	Margin dB
3534.400000	-51.17	268.60	200.0	VER	-89.5	-13	38.2
4033.600000	-50.50	102.10	200.0	VER	-87.8	-13	37.5
6001.600000	-46.45	0.10	100.0	VER	-81.4	-13	33.4
7078.200000	-46.48	122.70	200.0	VER	-80.3	-13	33.5
8628.400000	-43.30	289.30	100.0	VER	-76.8	-13	30.3
10629.400000	-44.11	164.30	200.0	VER	-76.1	-13	31.1

9 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

9.1 Applicable Standard: FCC§2.1051, §22.917

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified.

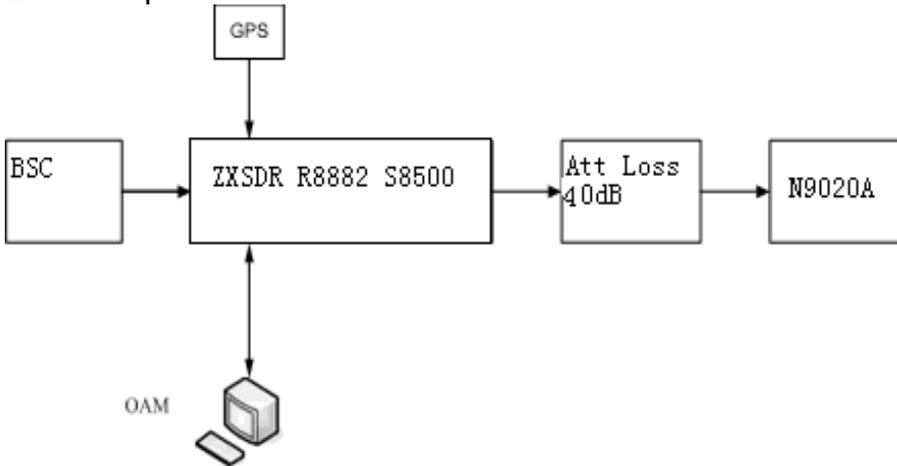
9.2 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51160170	2016-6-22	2017-6-21
YLT	40dB Attenuator	SJ-SN-200	2009010555	N.A	N.A
Forstar	Forstar RF Cable	031-D	1034	N.A	N.A

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

9.3 Test Procedure

EUT Setup:



REMARKS: Attenuator loss (dB)=40dB, Cable Loss (dB)=0.6dB.

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100KHz for 30MHz to 1GHz band, set at 1MHz for 1GHz to 10GHz band. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

9.4 Test Data Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

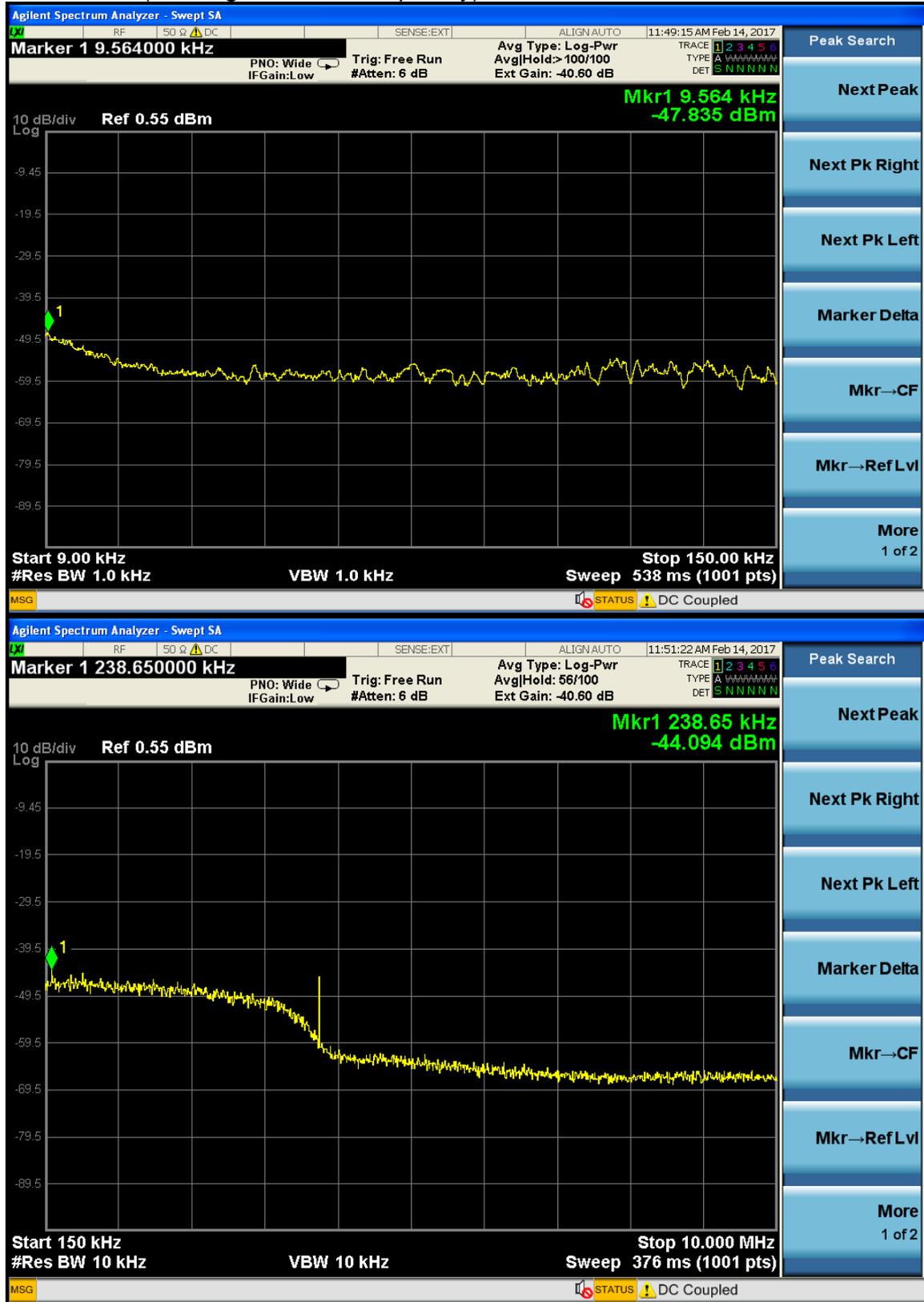


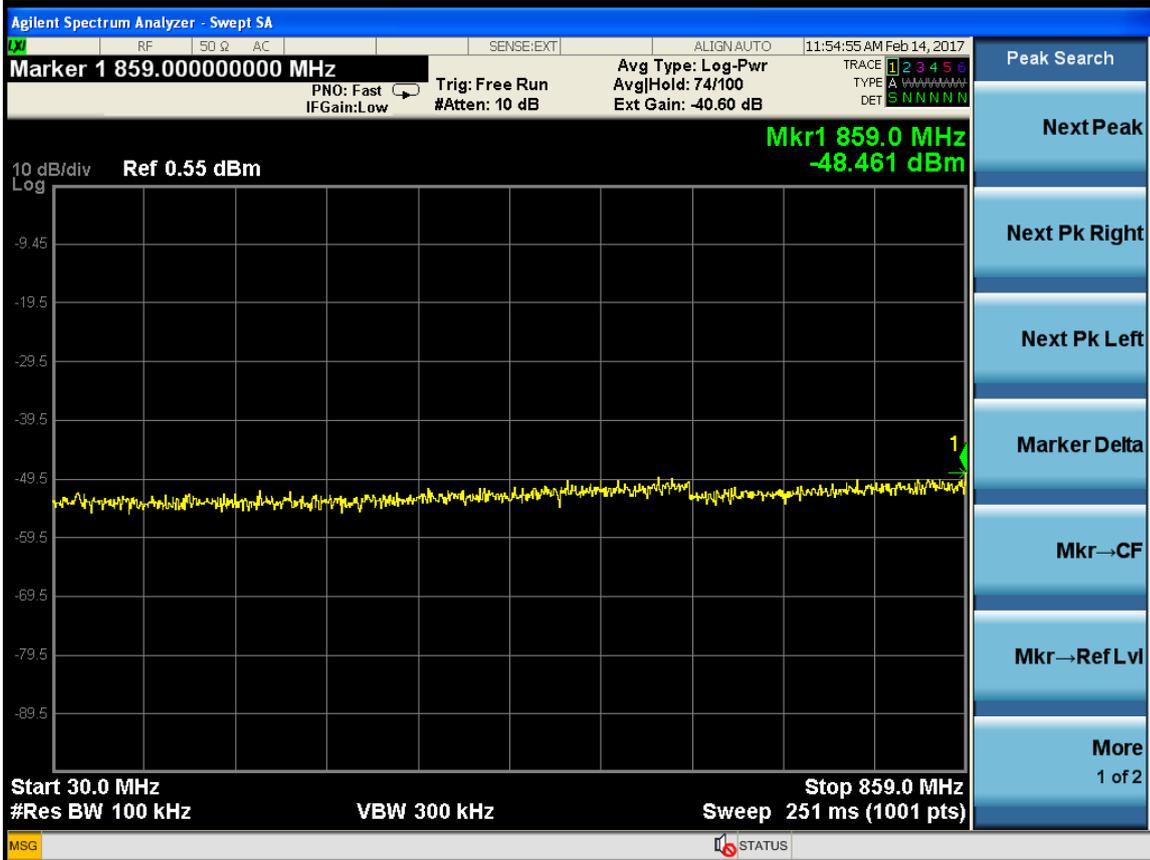
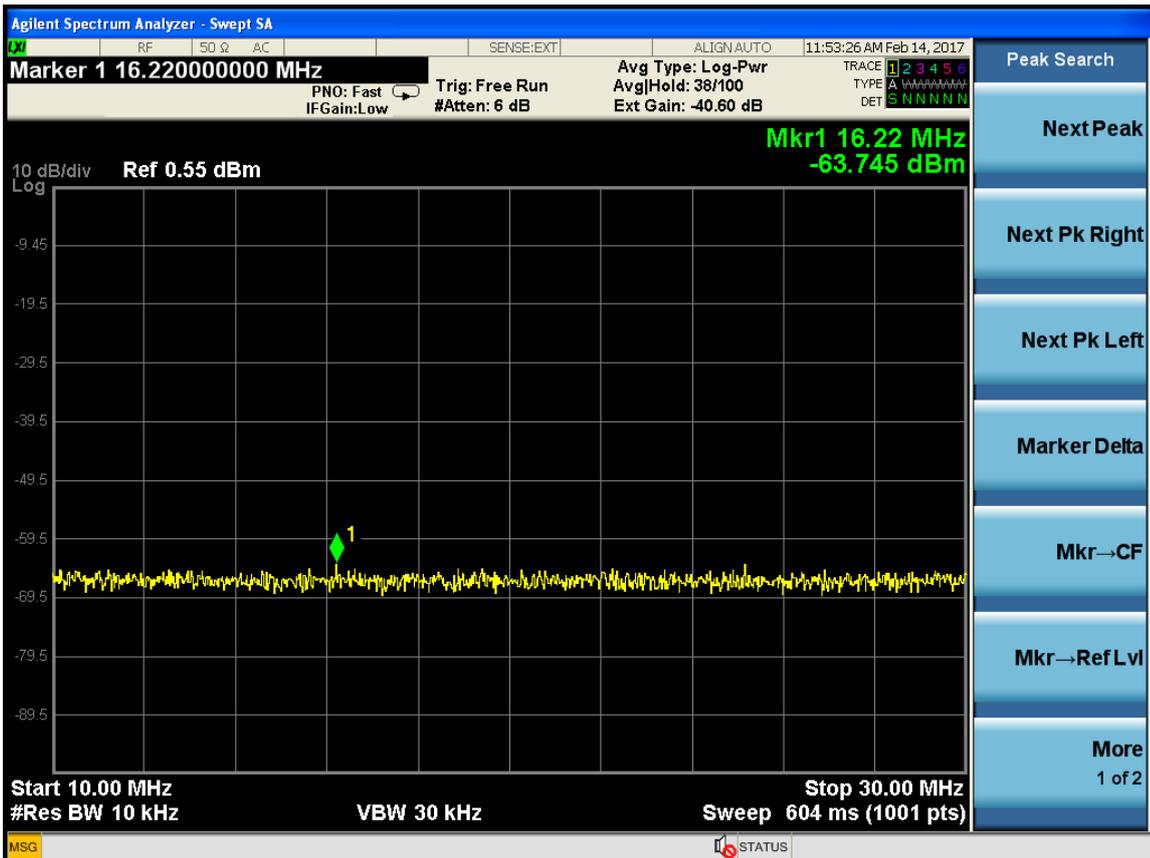
9.5 Test Result: Pass

9.6 Test Mode: Transmitting UMTS

9.7 Test Data

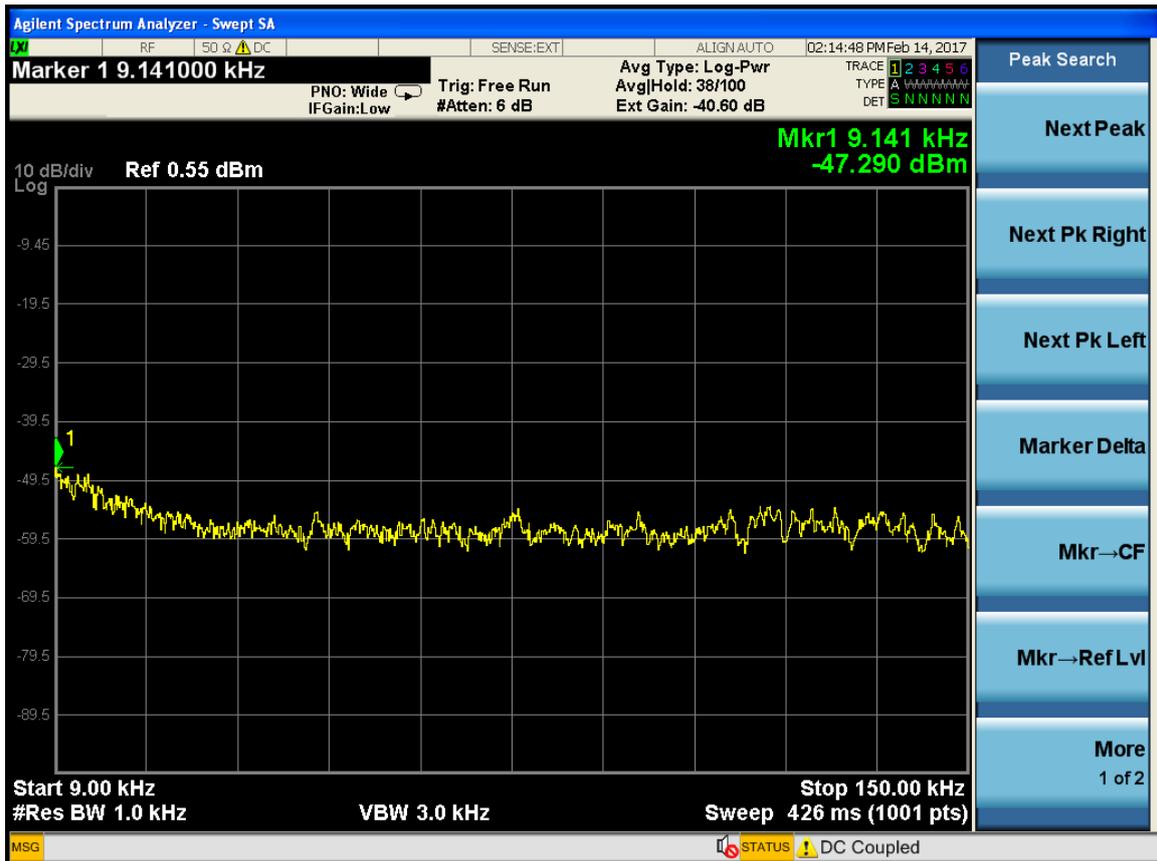
One carrier (working in bottom frequency)

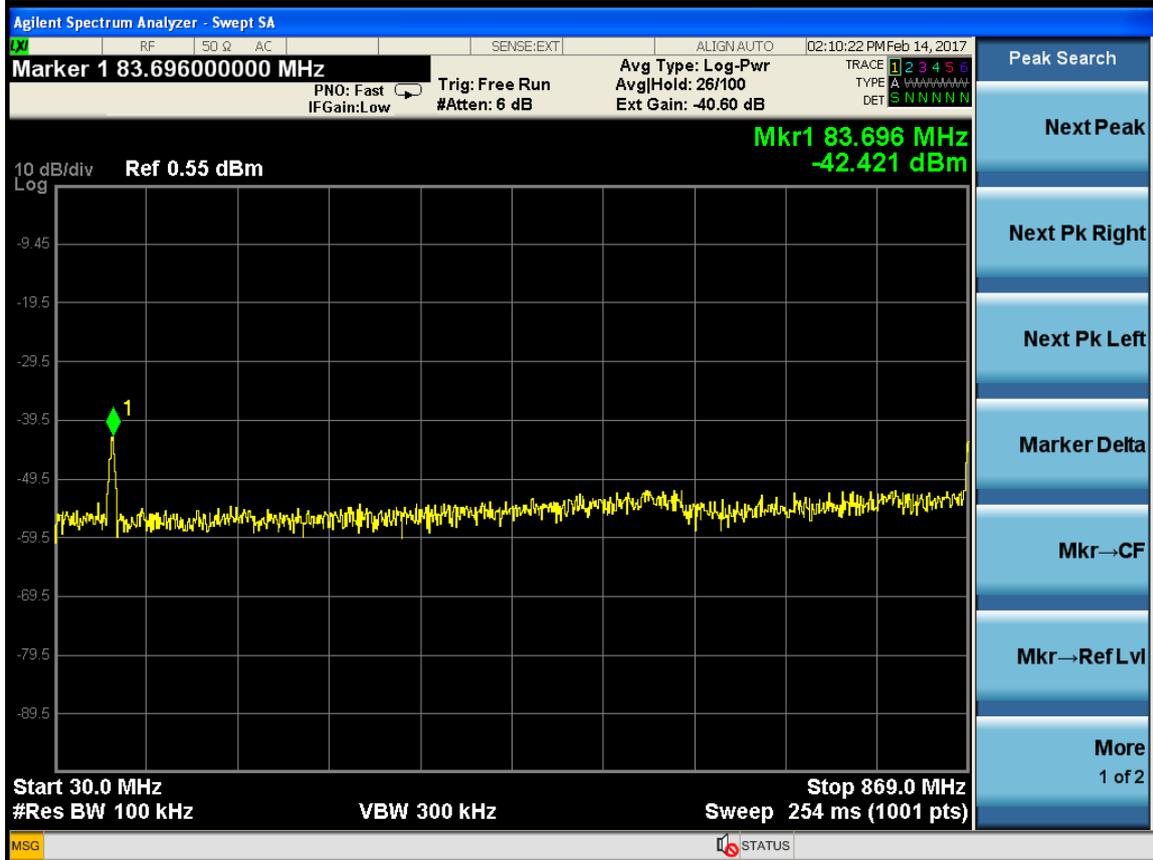
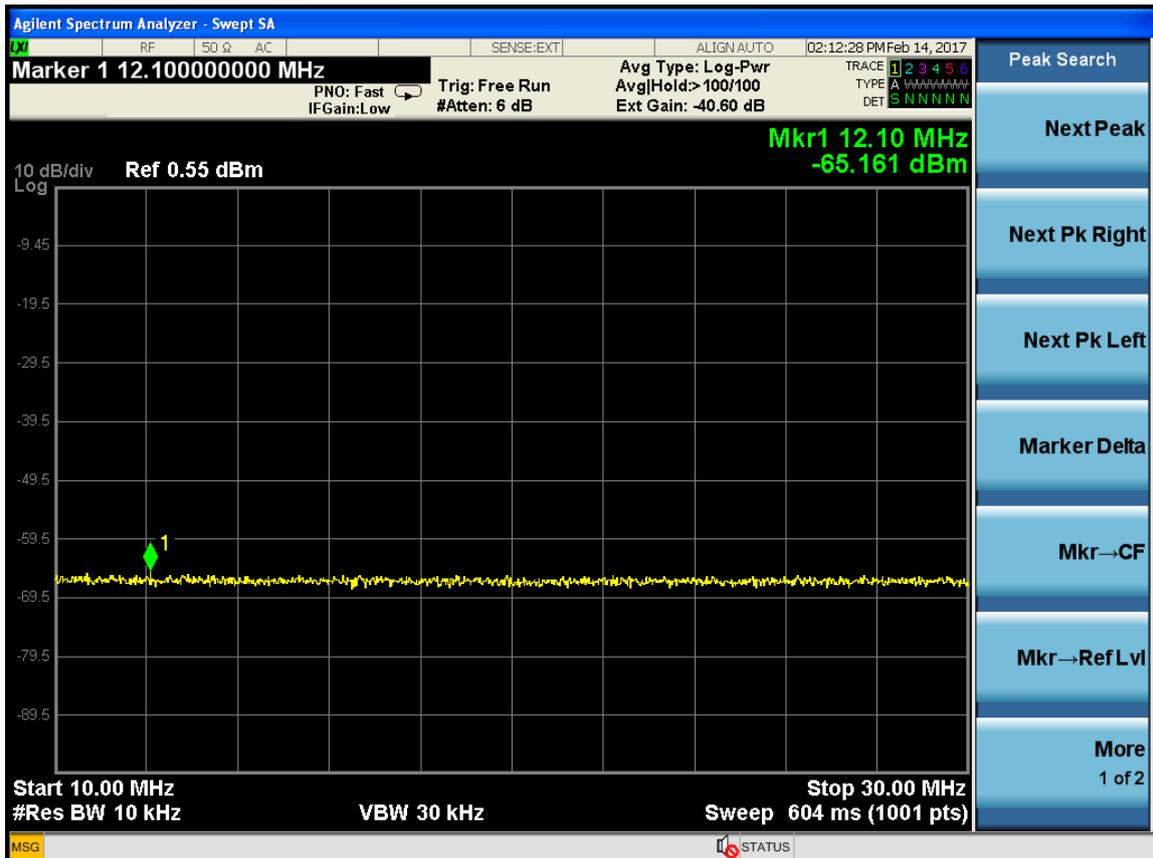


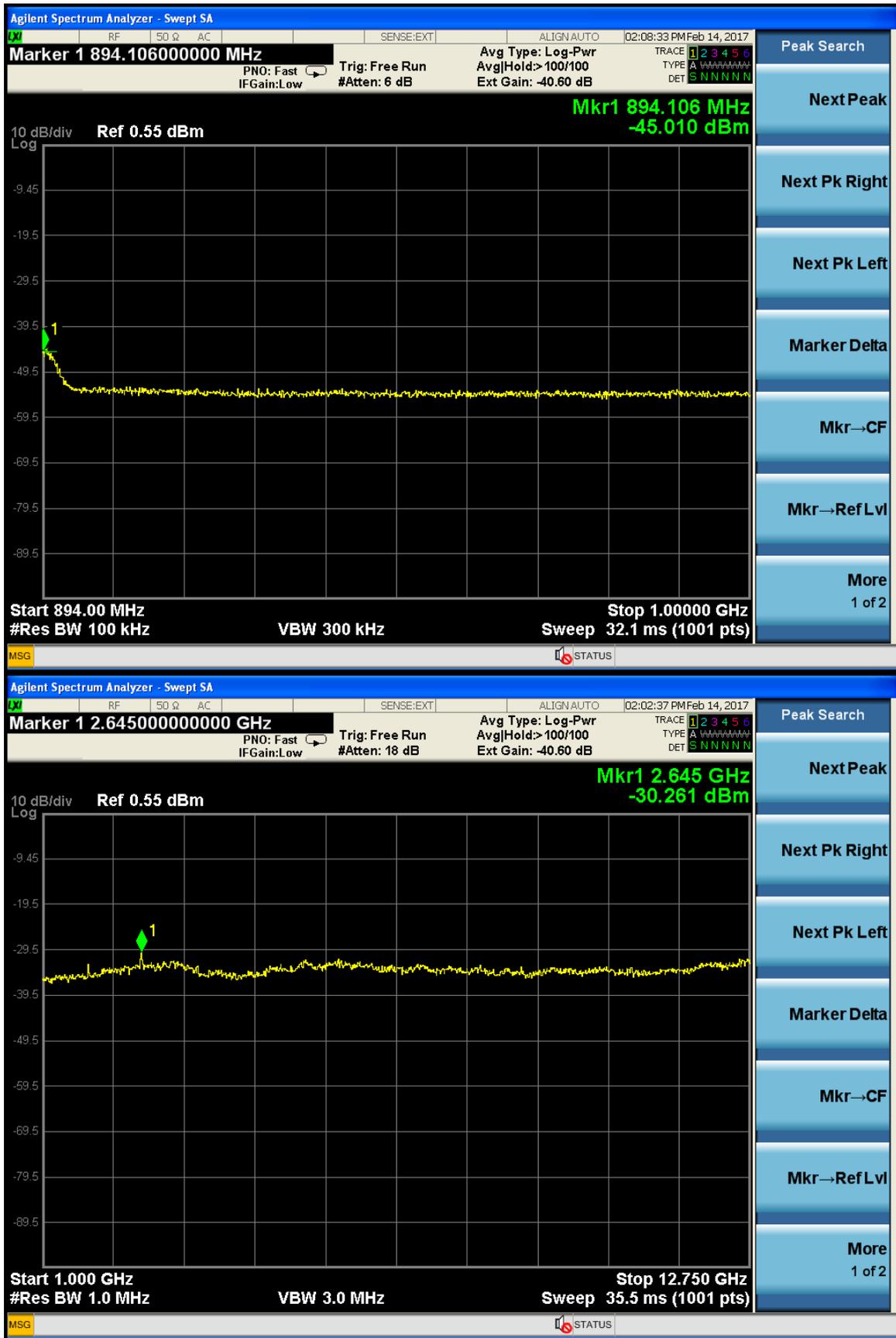




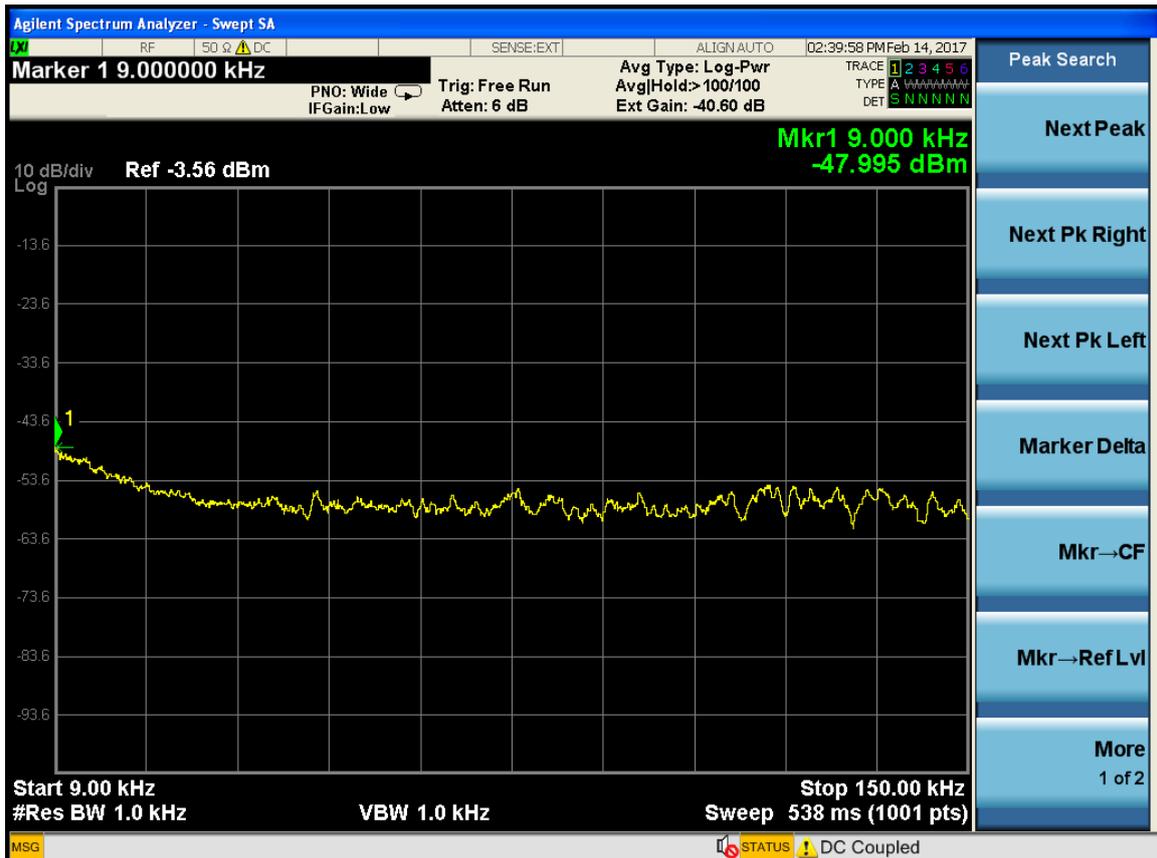
One carrier (working in middle frequency)

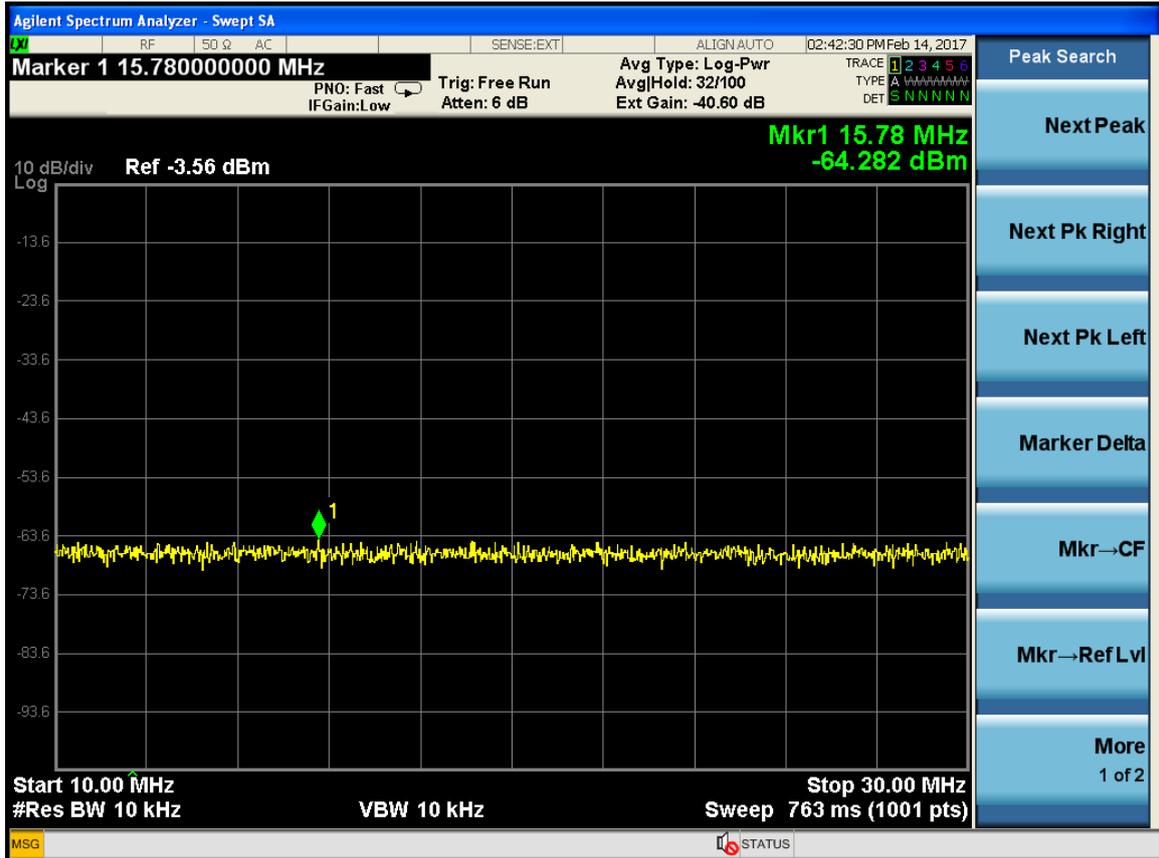






One carrier (working in top frequency)

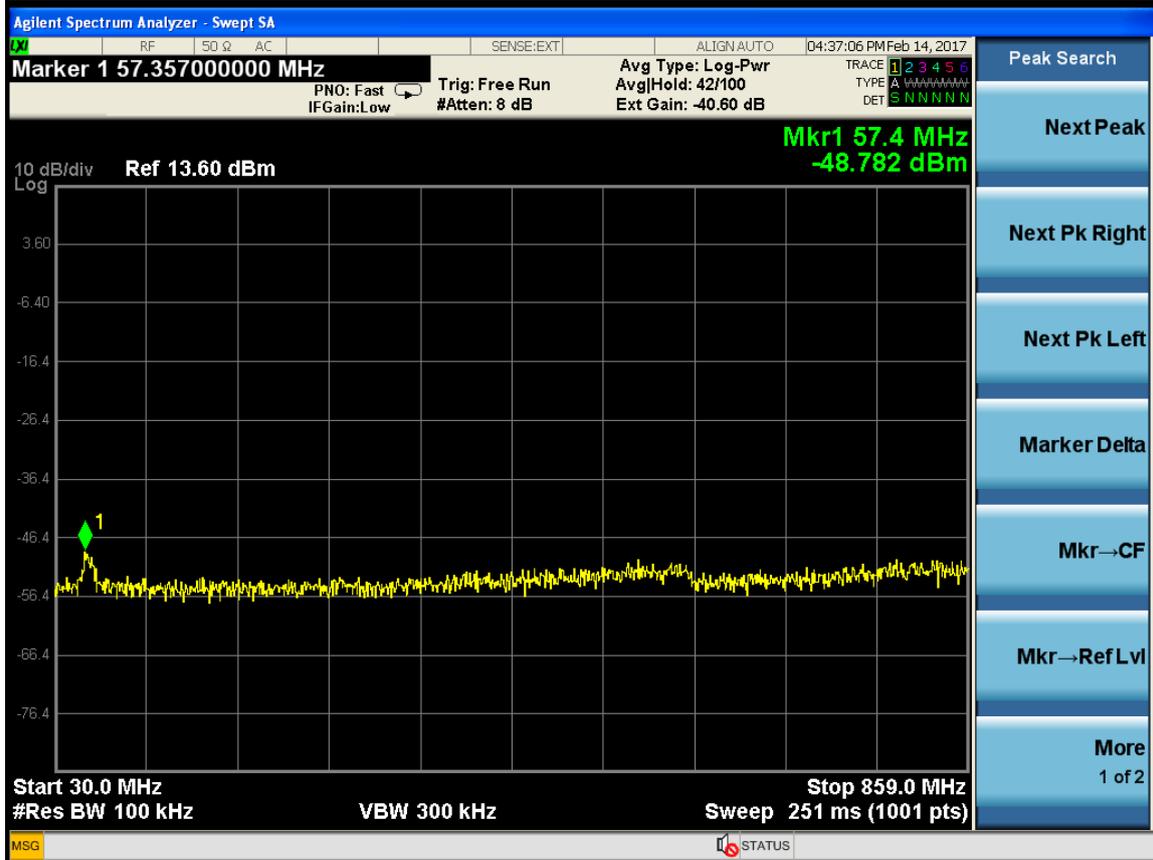
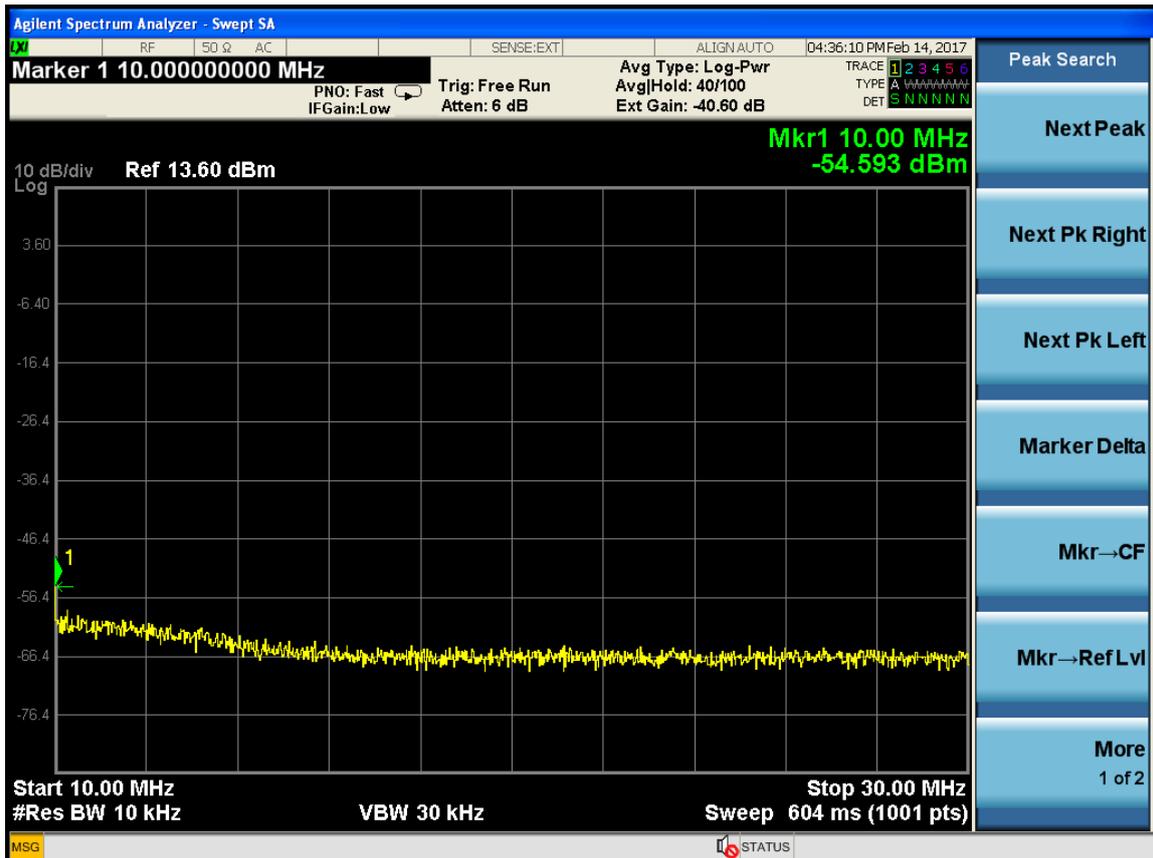






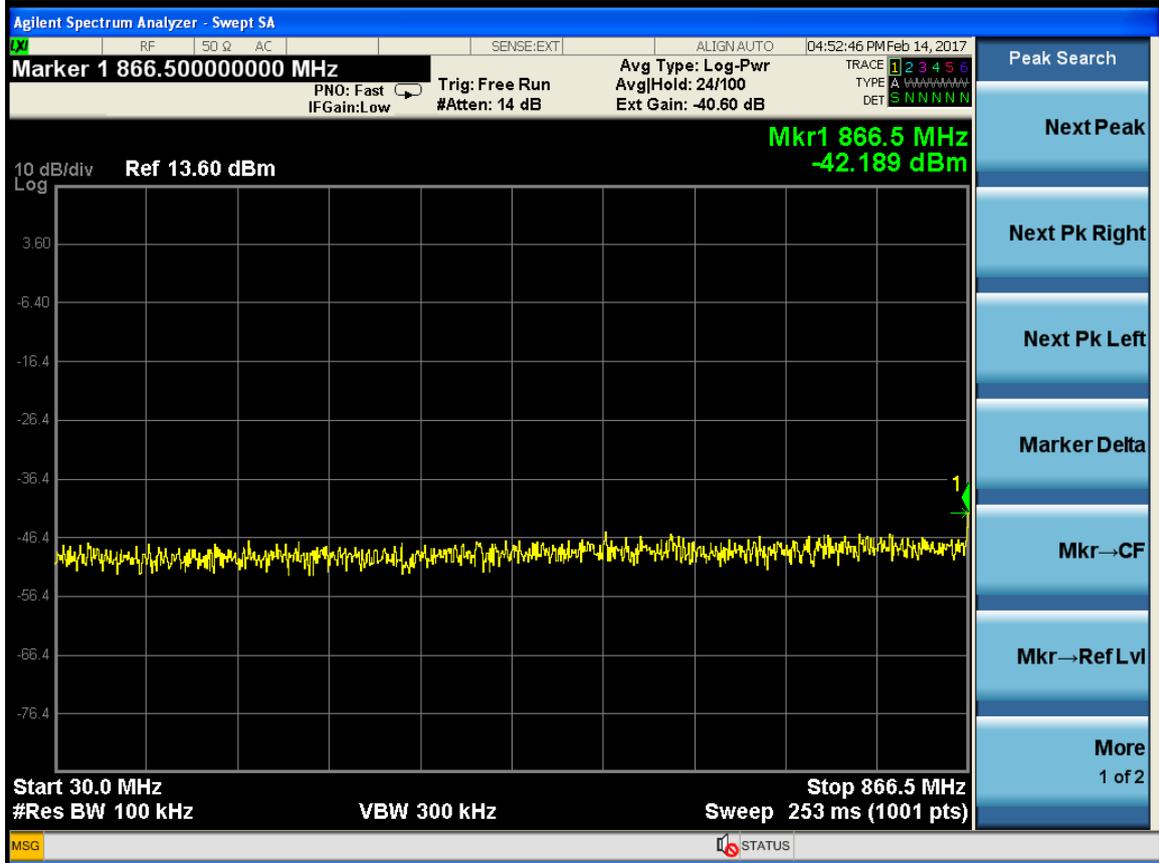
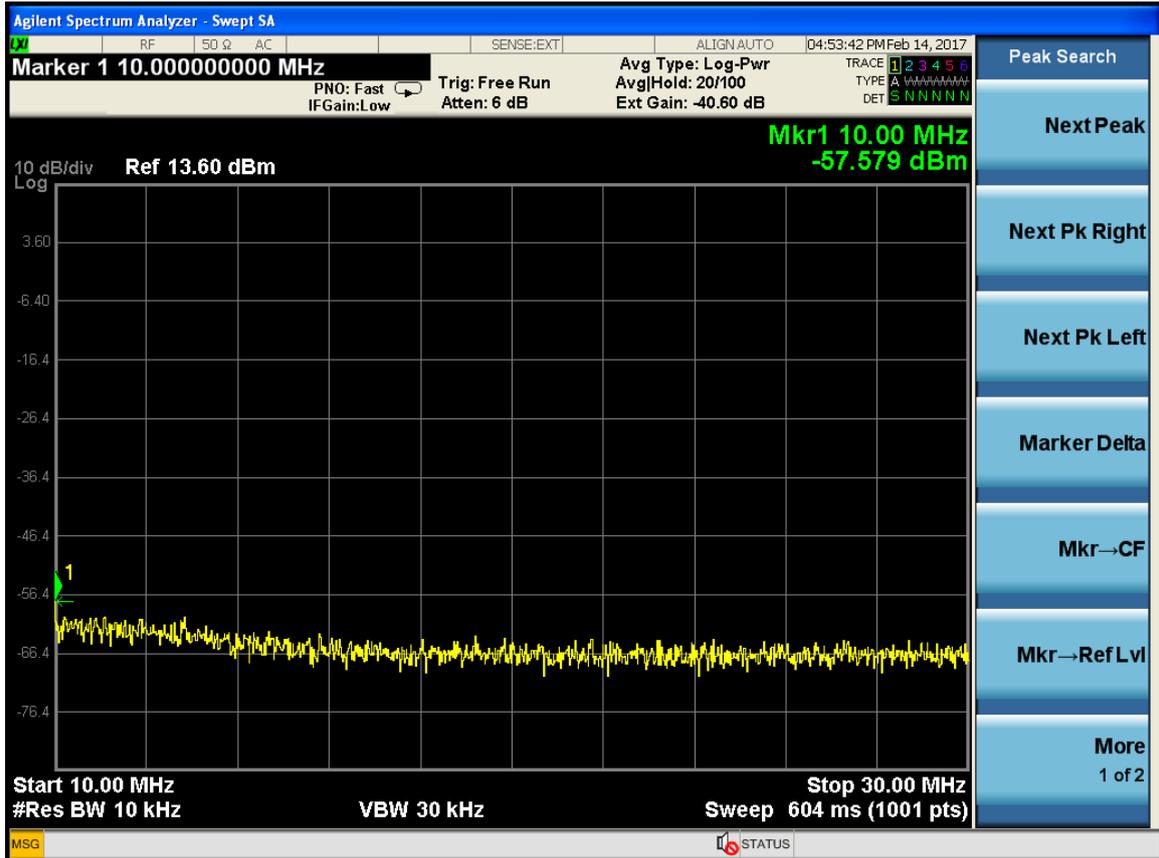
Two carriers (working in bottom frequency)

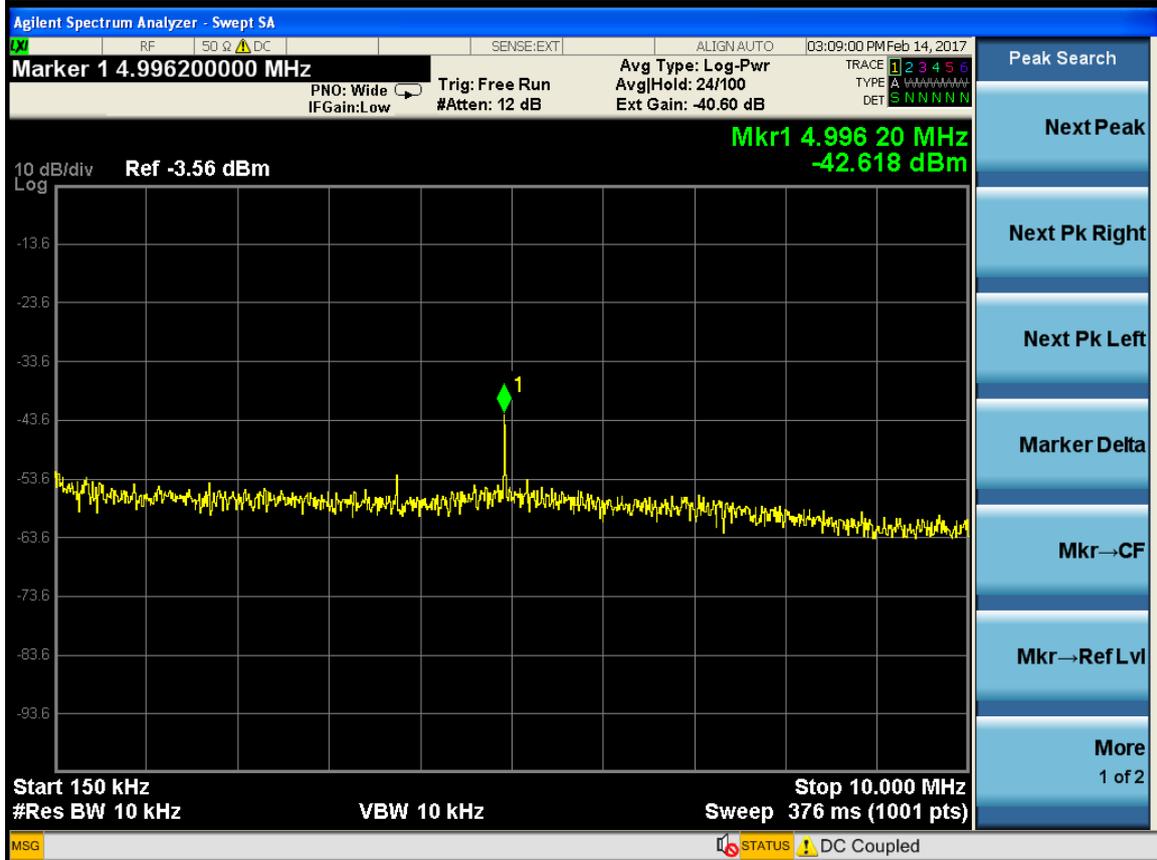


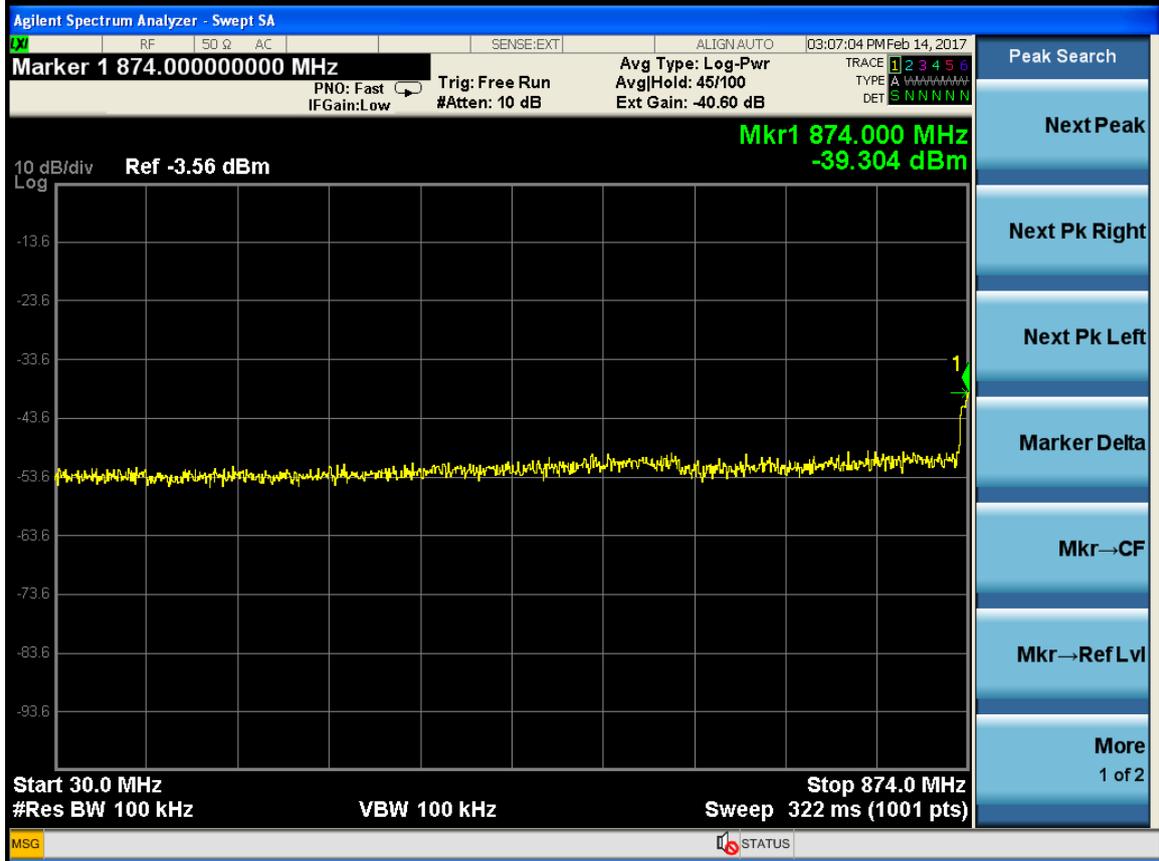
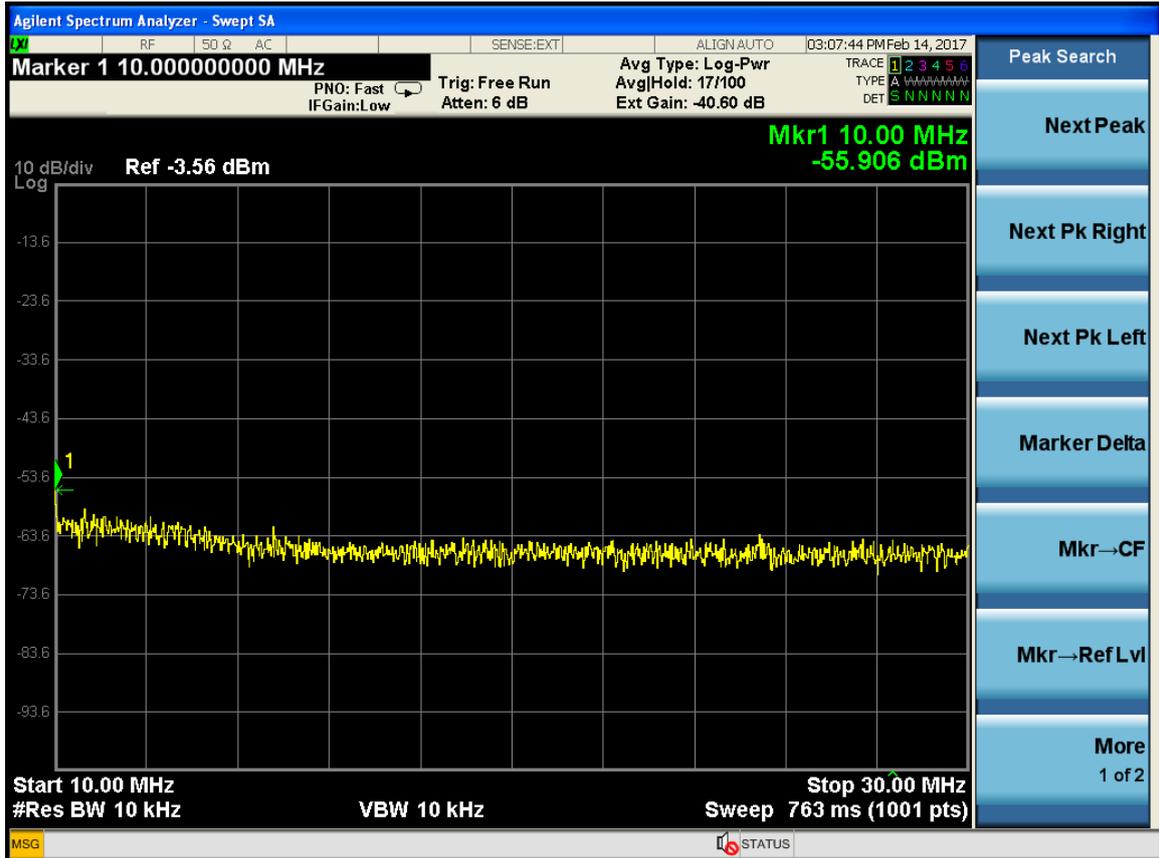


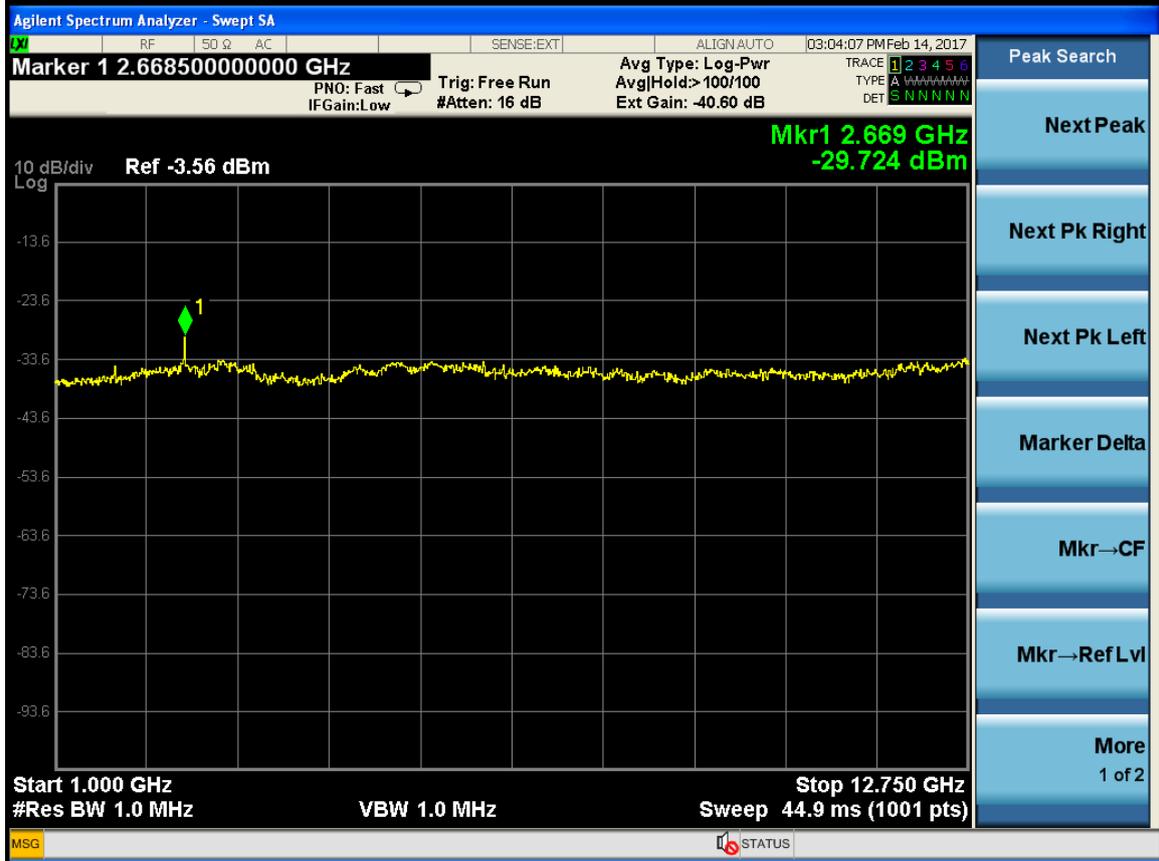
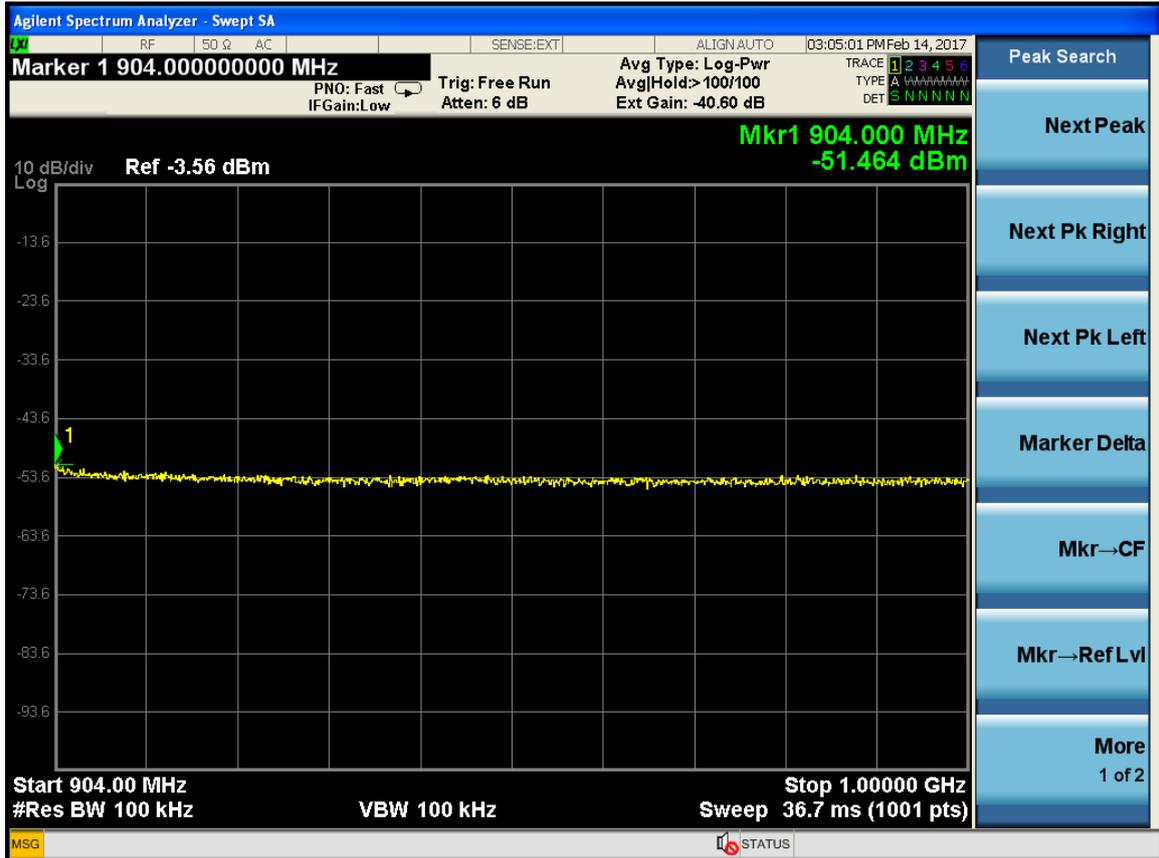


Two carriers (working in middle frequency)











10 OCCUPIED BANDWIDTH

10.1 Applicable Standard: FCC §2.1049 §22.917

10.2 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51160170	2016-6-22	2017-6-21
YLT	40dB Attenuator	SJ-SN-200	2009010555	N.A	N.A
Forstar	Forstar RF Cable	031-D	1034	N.A	N.A

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

10.3 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.

10.4 Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	53%
ATM Pressure:	1009mbar

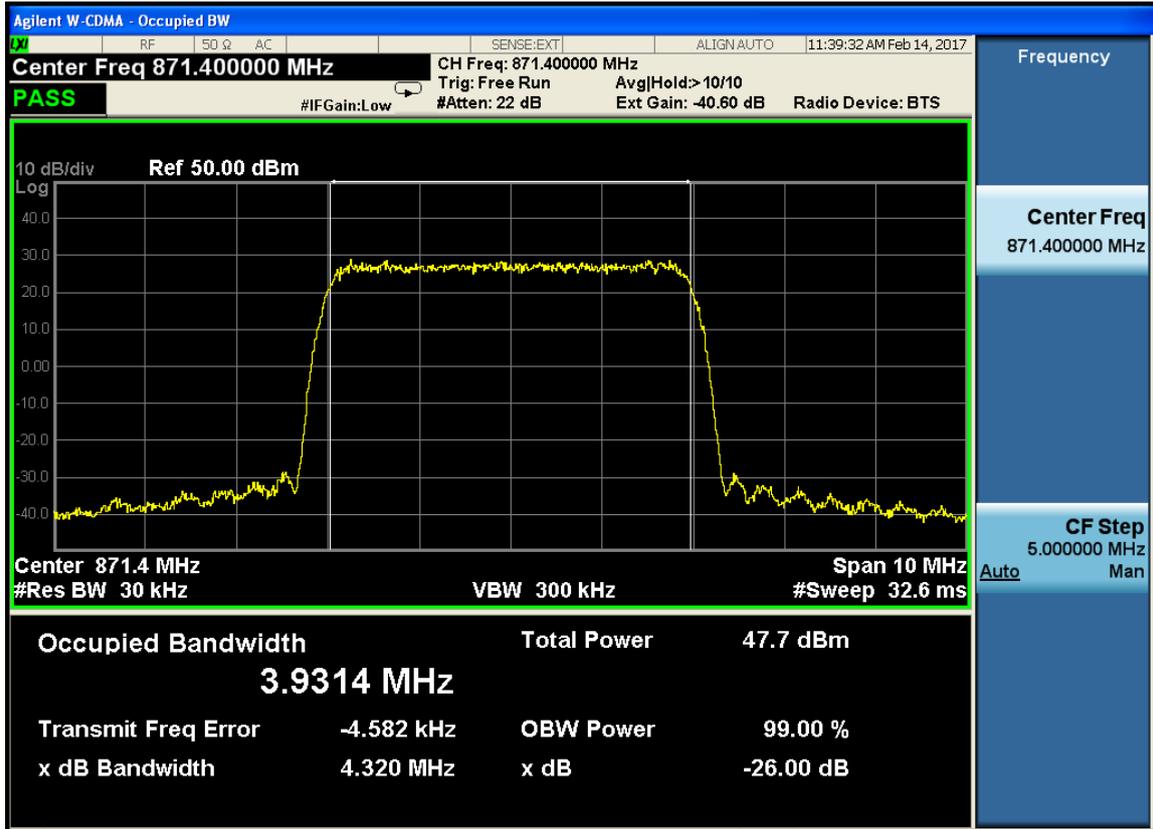
10.5 Test Result: Pass

10.6 Test Mode: Transmitting UMTS

10.7 Test Data

One carrier

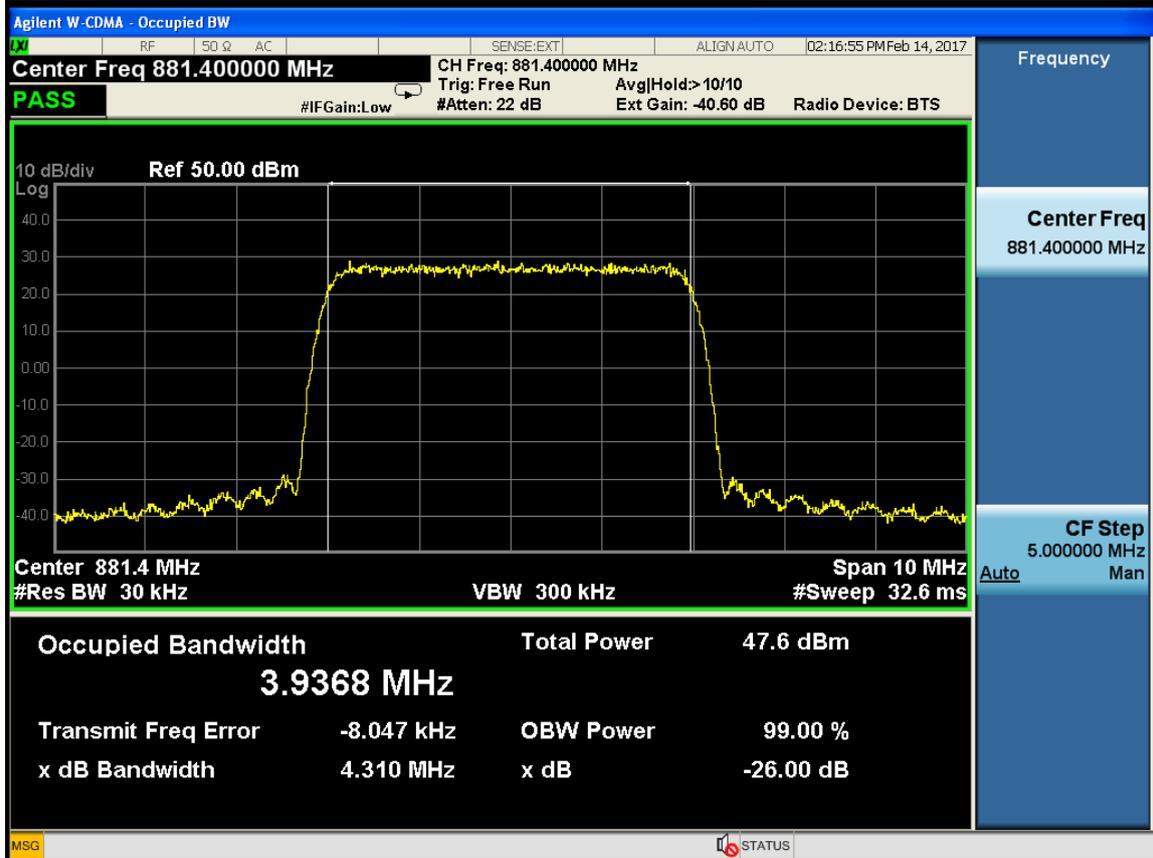
Frequency (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
871.4	3.9314	<5
881.4	3.9368	<5
891.6	3.9314	<5



Frequency

Center Freq
871.400000 MHz

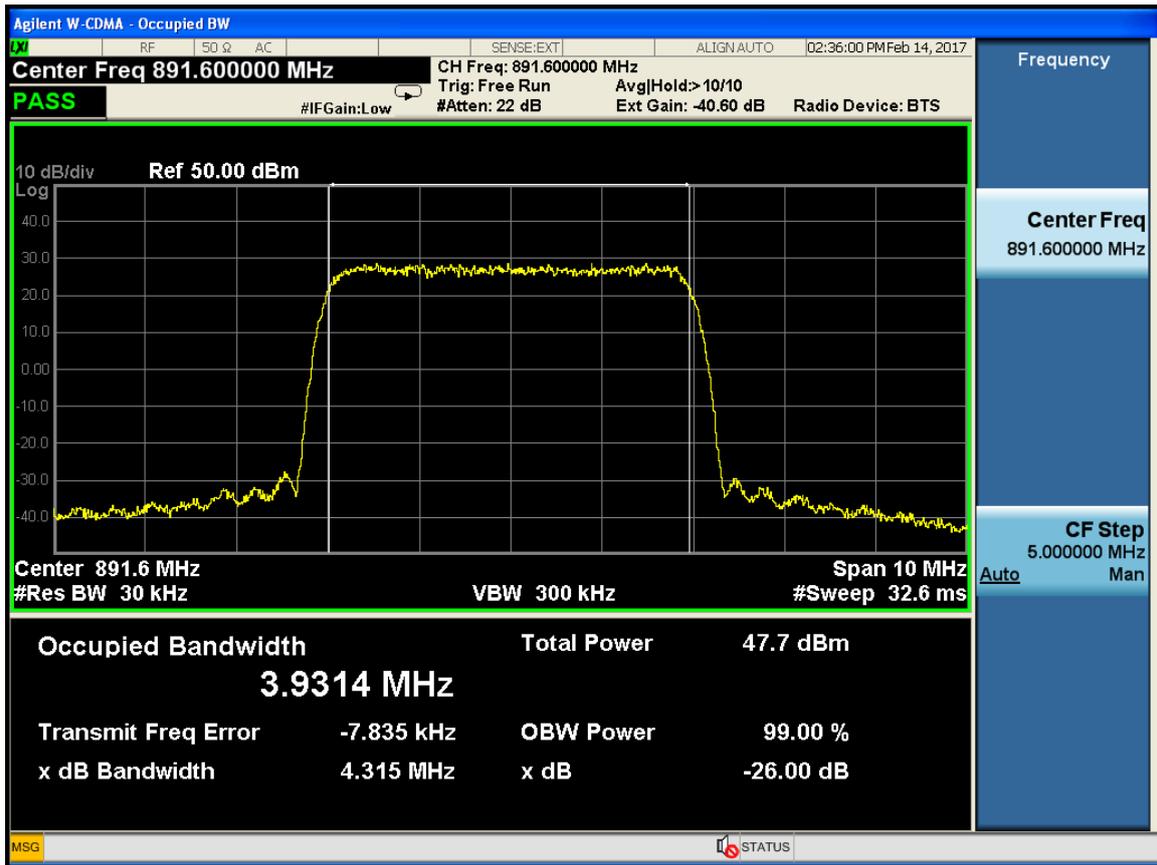
CF Step
5.000000 MHz
Auto Man



Frequency

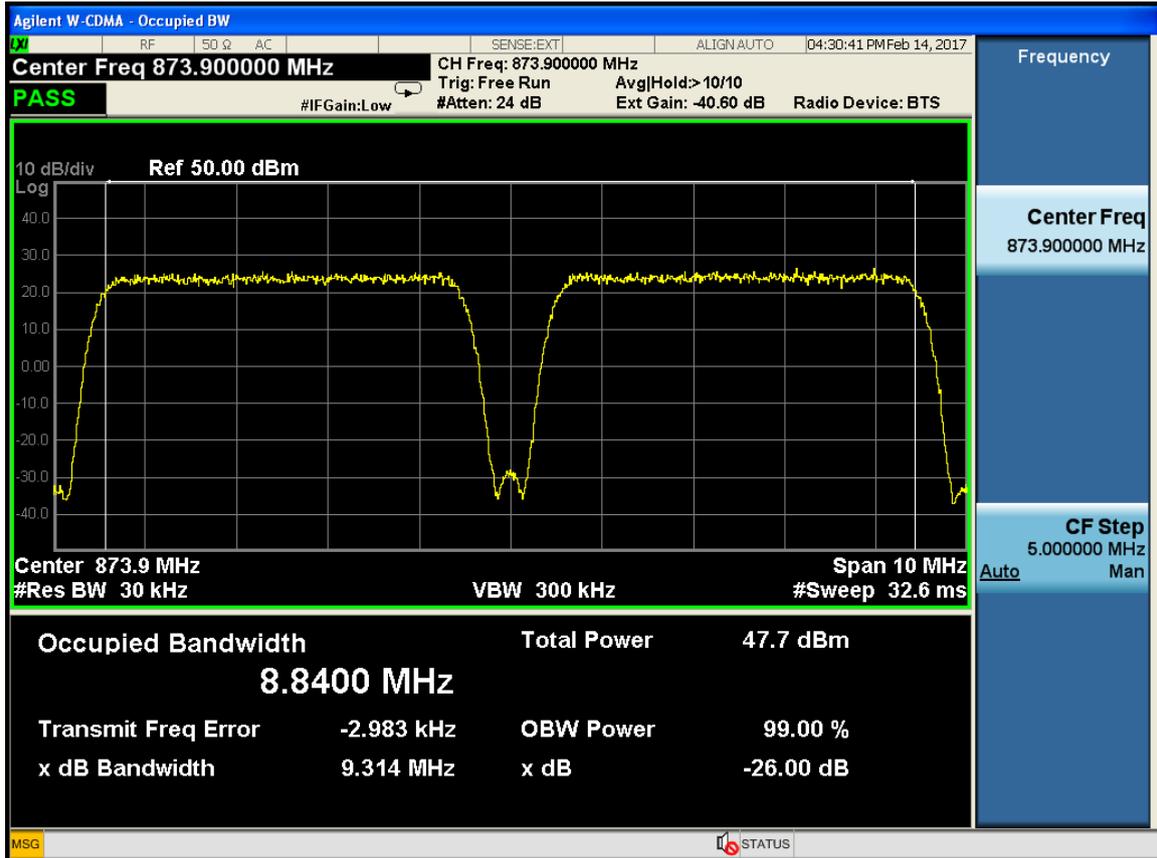
Center Freq
881.400000 MHz

CF Step
5.000000 MHz
Auto Man



Two carriers

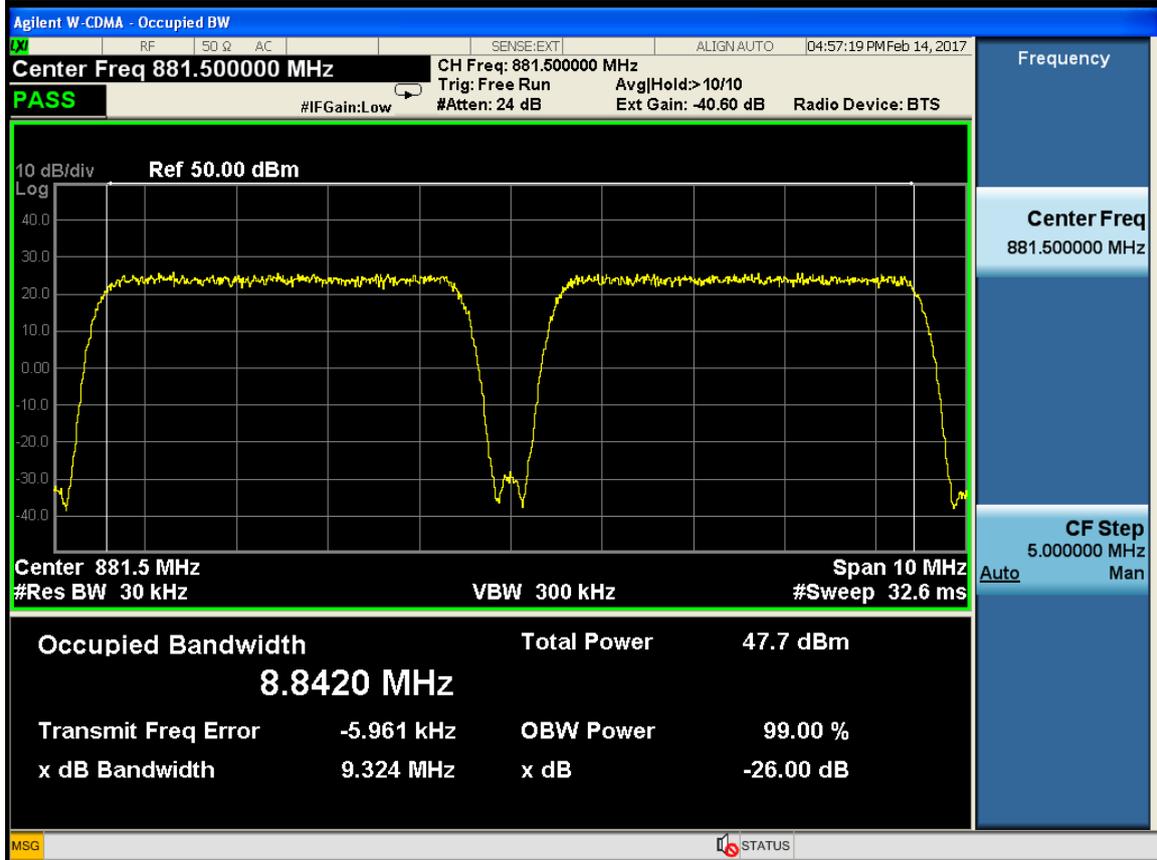
Frequency (MHz)	99% Power Bandwidth (MHz)	Limit (MHz)
871.4/876.4	8.84	<10
879/884	8.842	<10
886.6/891.6	8.8444	<10



Frequency

Center Freq
873.900000 MHz

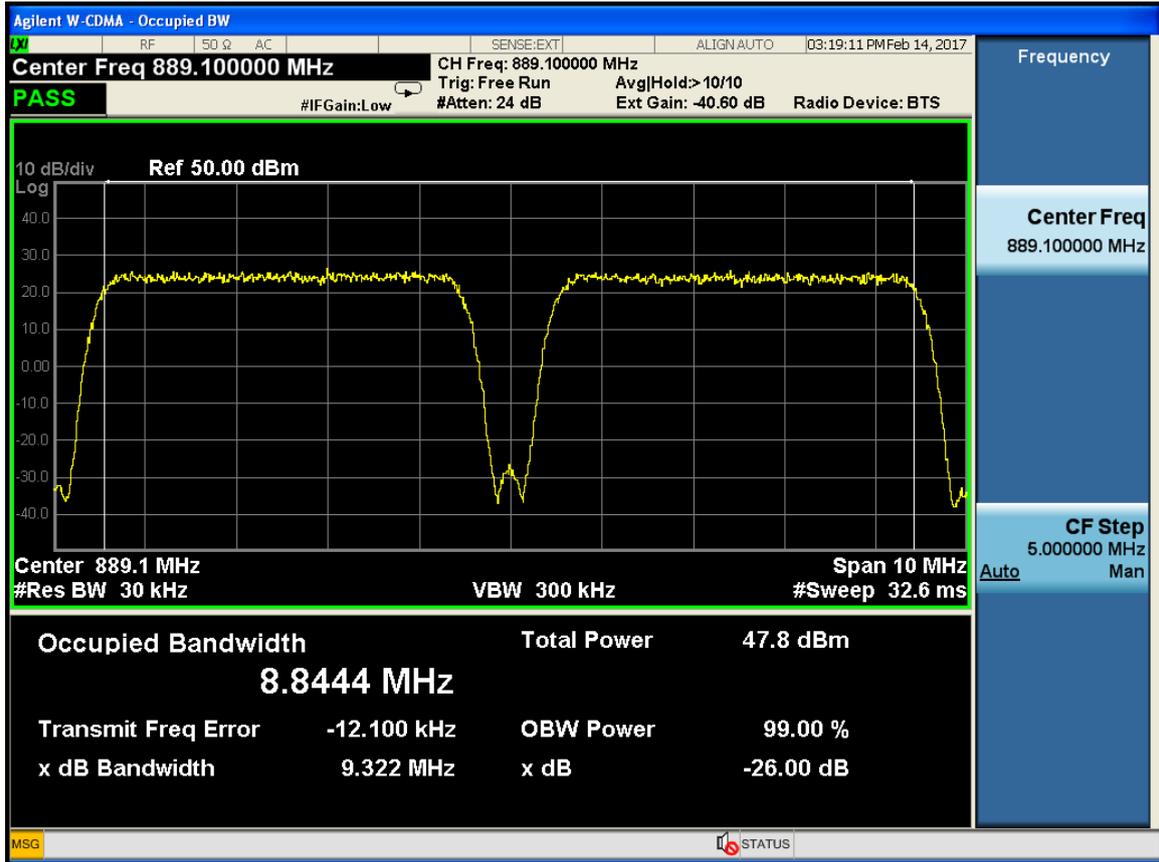
CF Step
5.000000 MHz
Auto Man



Frequency

Center Freq
881.500000 MHz

CF Step
5.000000 MHz
Auto Man





11 BAND EDGES

11.1 Applicable Standard: FCC §2.1051

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 $< P - (43 + 10 \log(P)) = -13 \text{dBm}$.

11.2 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51160170	2016-6-22	2017-6-21
YLT	40dB Attenuator	SJ-SN-200	2009010555	N.A	N.A
Forstar	Forstar RF Cable	031-D	1034	N.A	N.A

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

11.3 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.

11.4 Test Data Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1009mbar

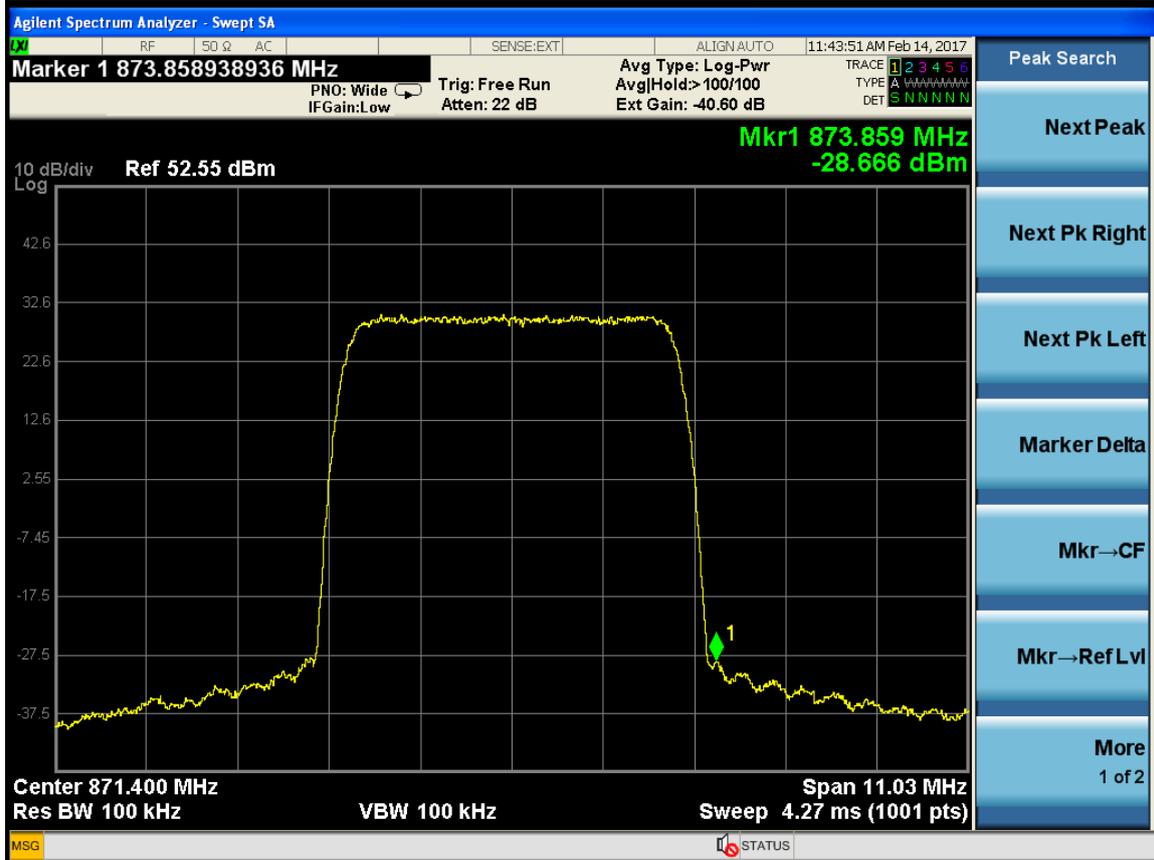
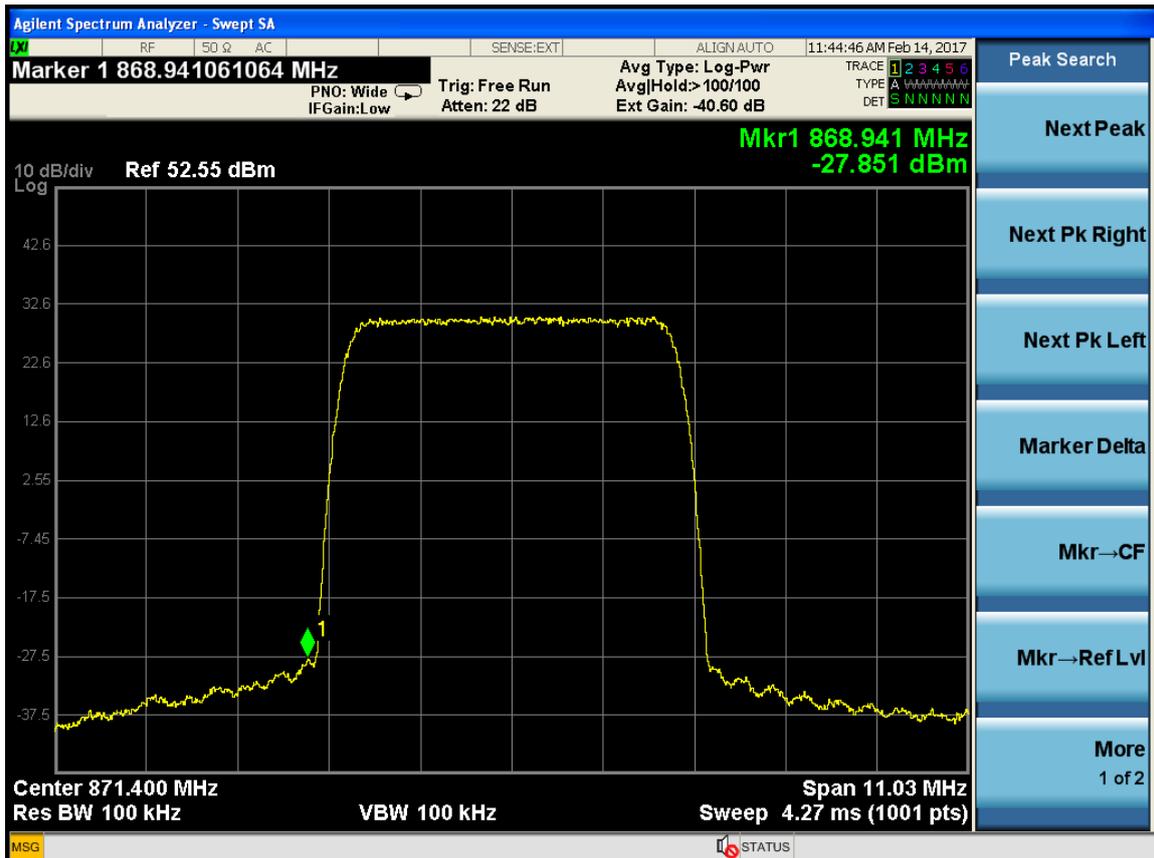
11.5 Test Result: Pass

11.6 Test Mode: Transmitting UMTS

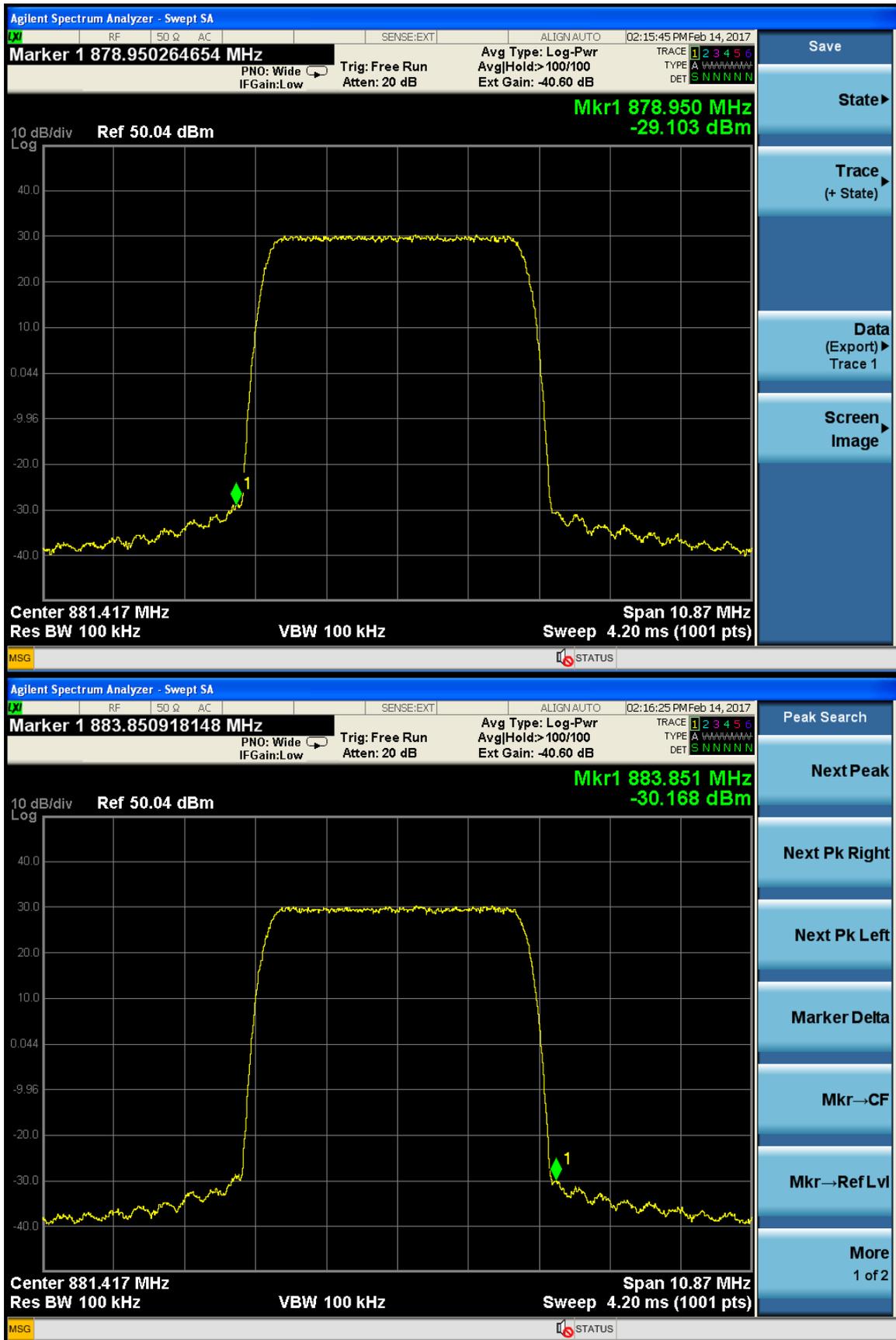
11.7 Test Data

Frequency channel	Max bandedge Emission (dBm)	Limit (dBm)
871.4	-27.85 / -28.67	-13.00
881.4	-29.1 / -30.17	-13.00
891.6	-28.24 / -29.4	-13.00

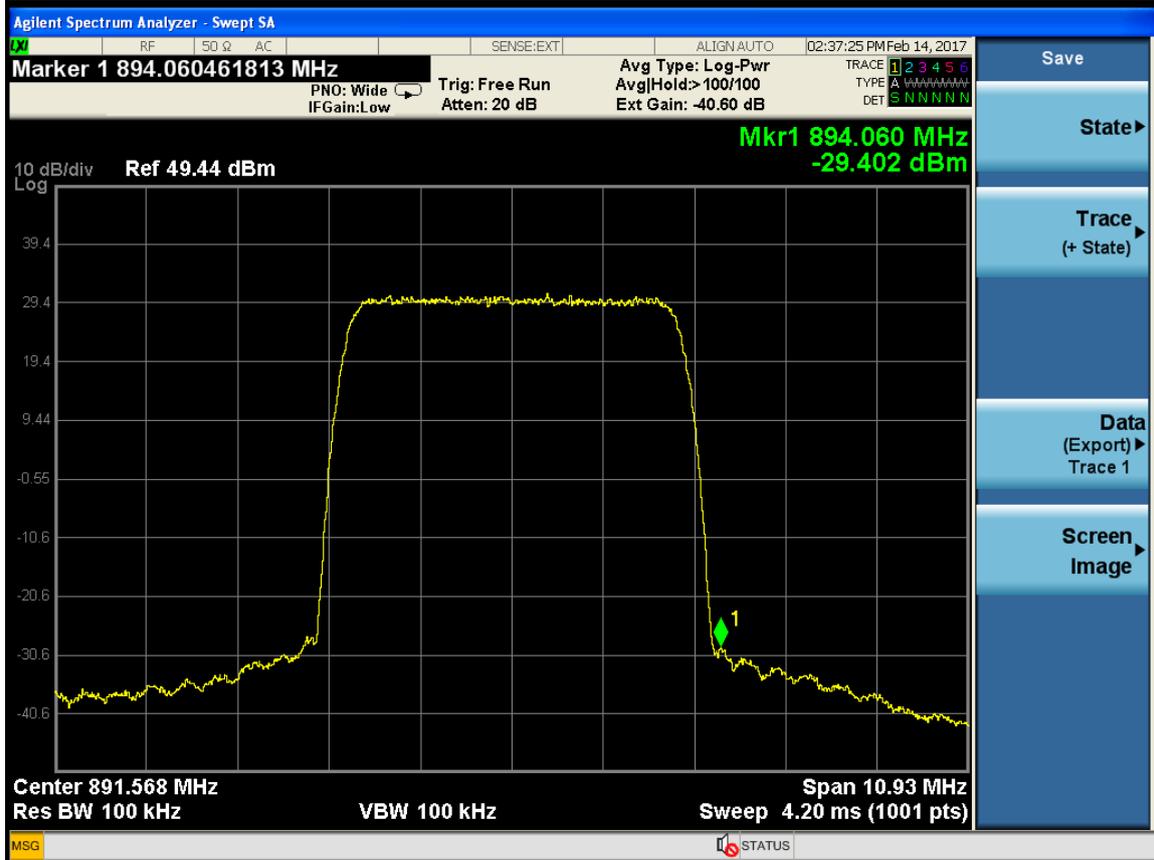
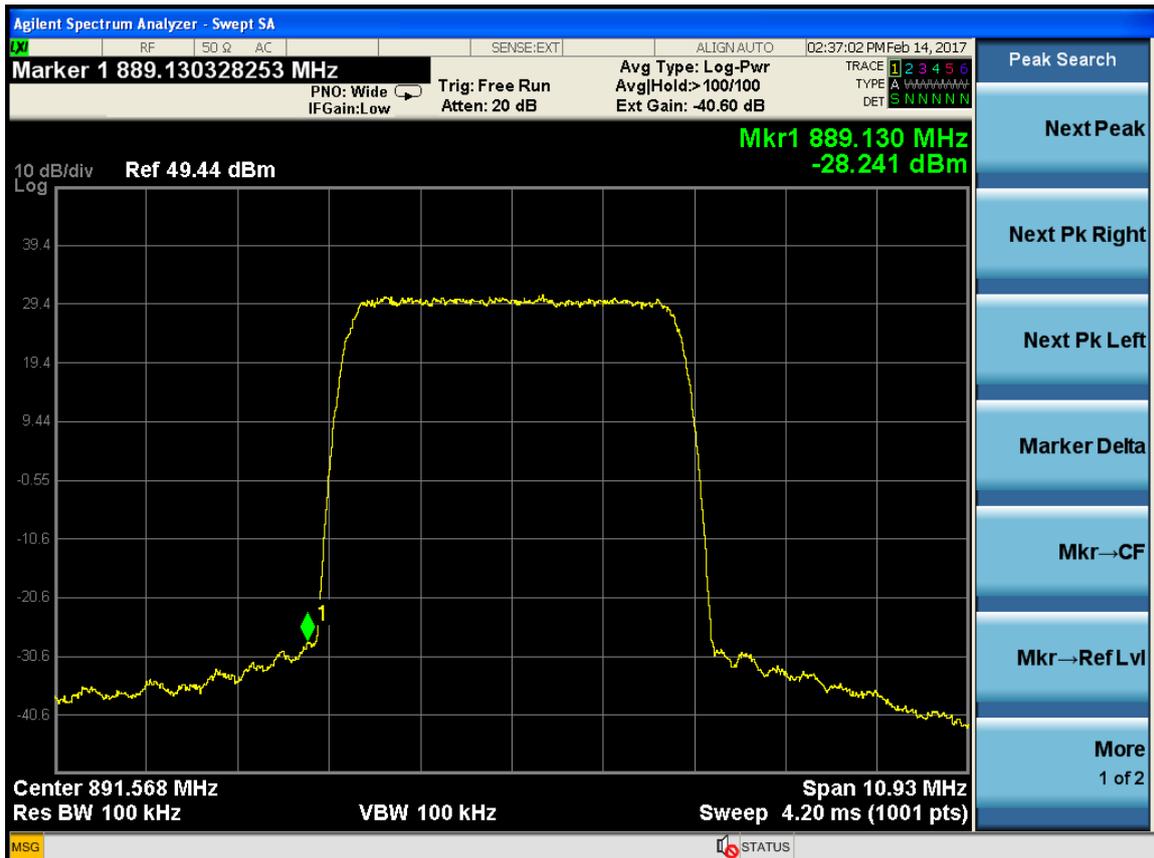
For One carrier(working in bottom frequency)



For One carrier(working in middle frequency)



For One carrier(working in top frequency)

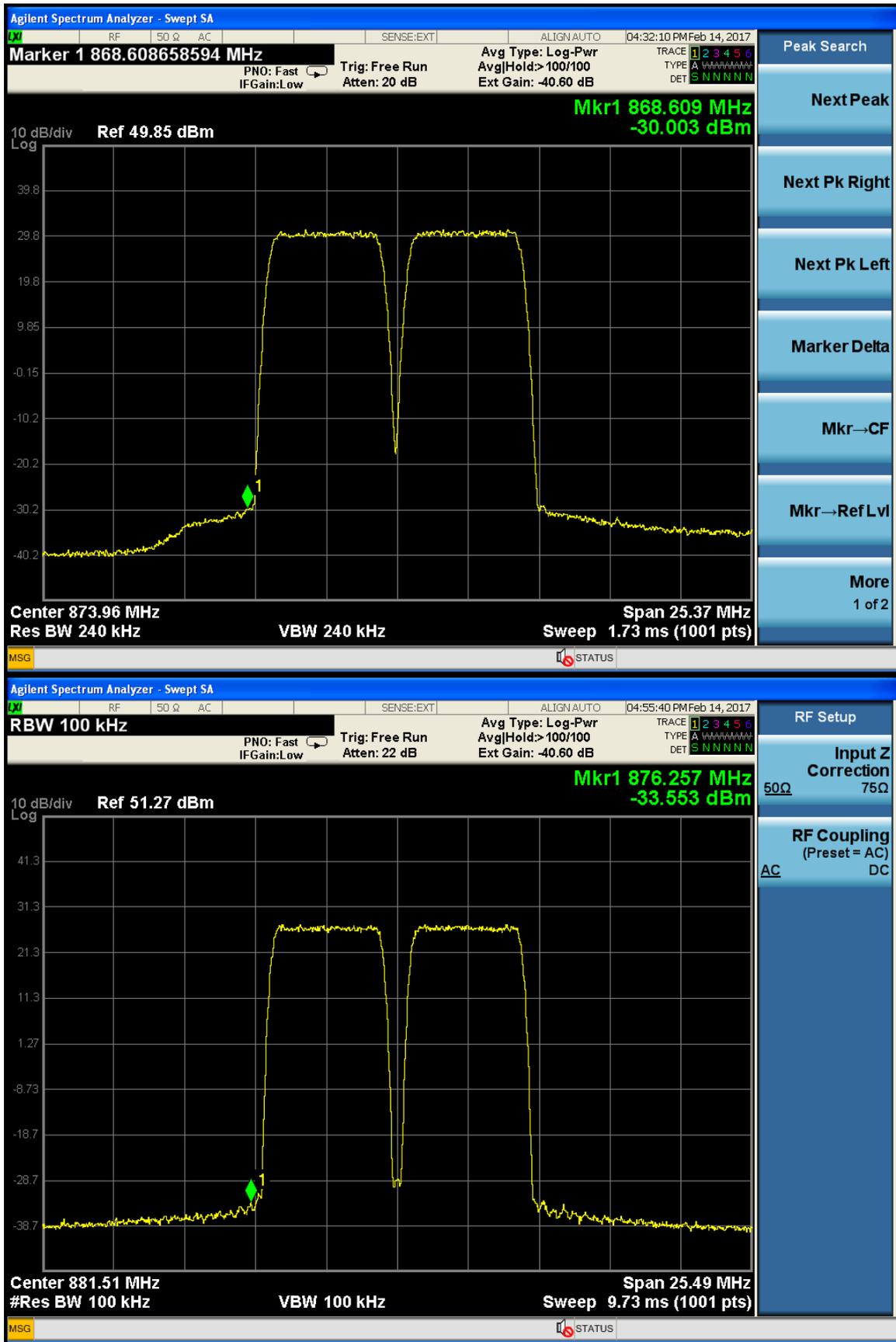


Frequency channel	Max bandedge Emission	Limit
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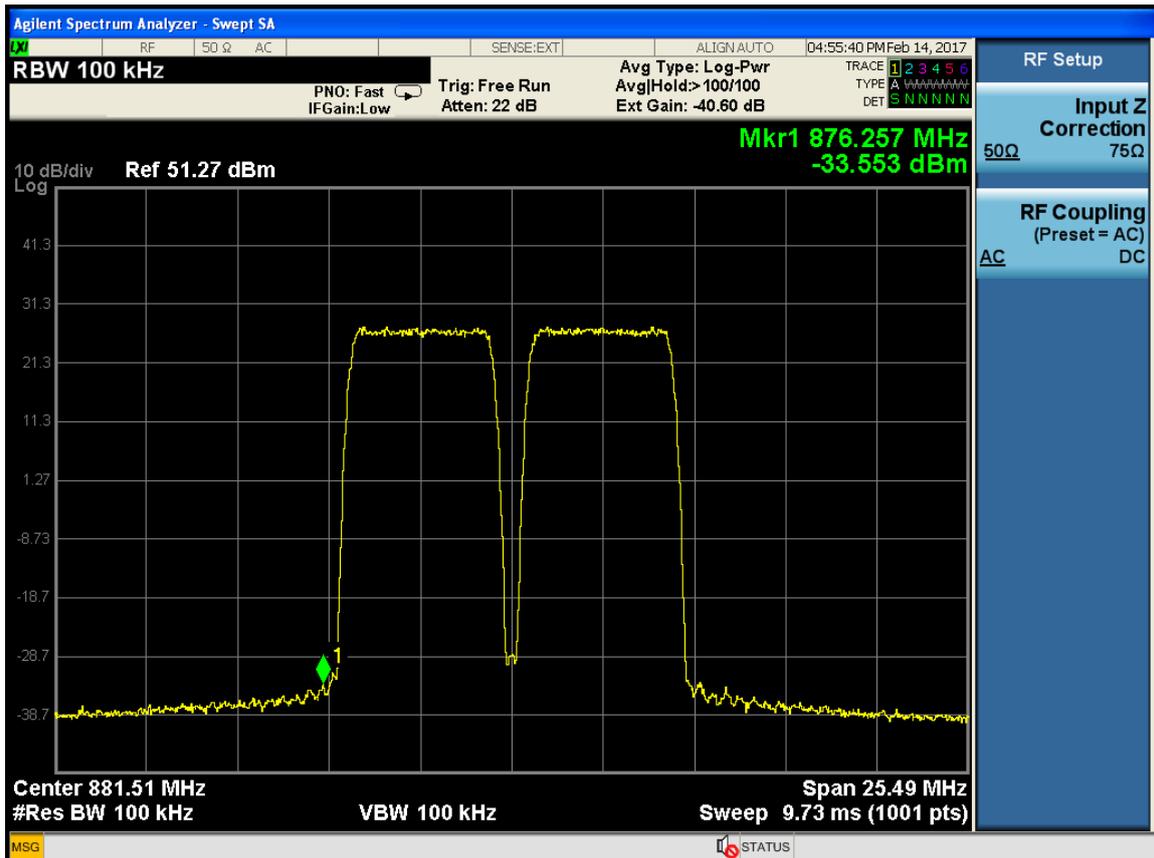


	(dBm)	(dBm)
871.4/876.4	-30 / -29.35	-13.00
879/884	-33.55 / -32.13	-13.00
886.6/891.6	-30.98 / -31.29	-13.00

For two carriers (working in bottom frequency)



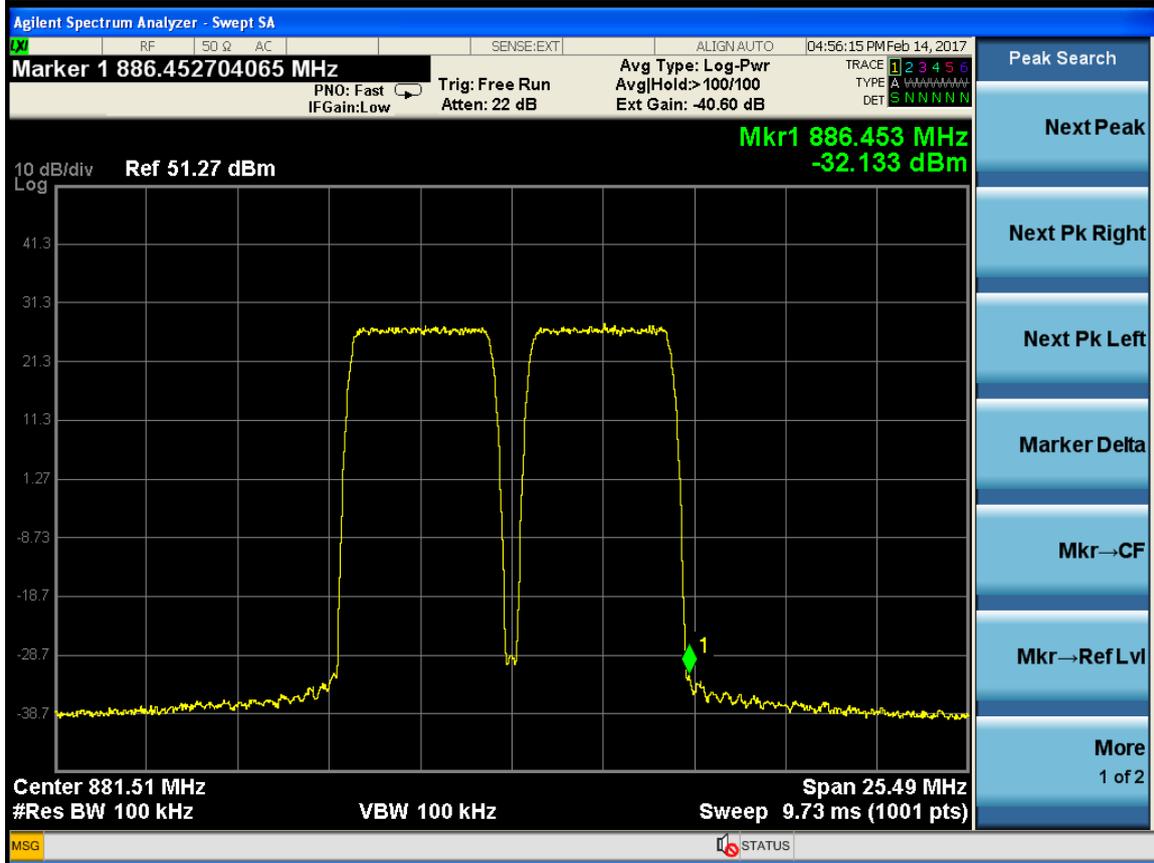
For two carriers (working in middle frequency)



RF Setup

Input Z Correction
50 Ω 75 Ω

RF Coupling (Preset = AC)
AC DC



Peak Search

Next Peak

Next Pk Right

Next Pk Left

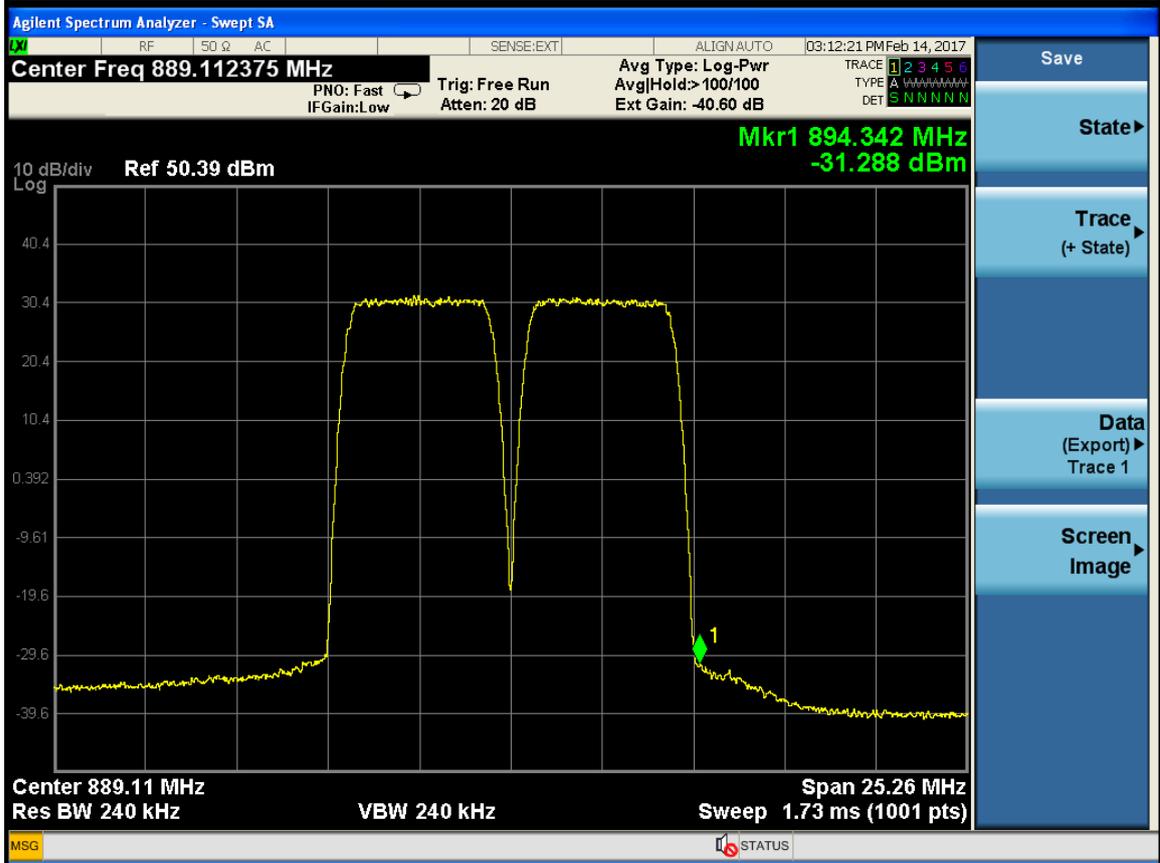
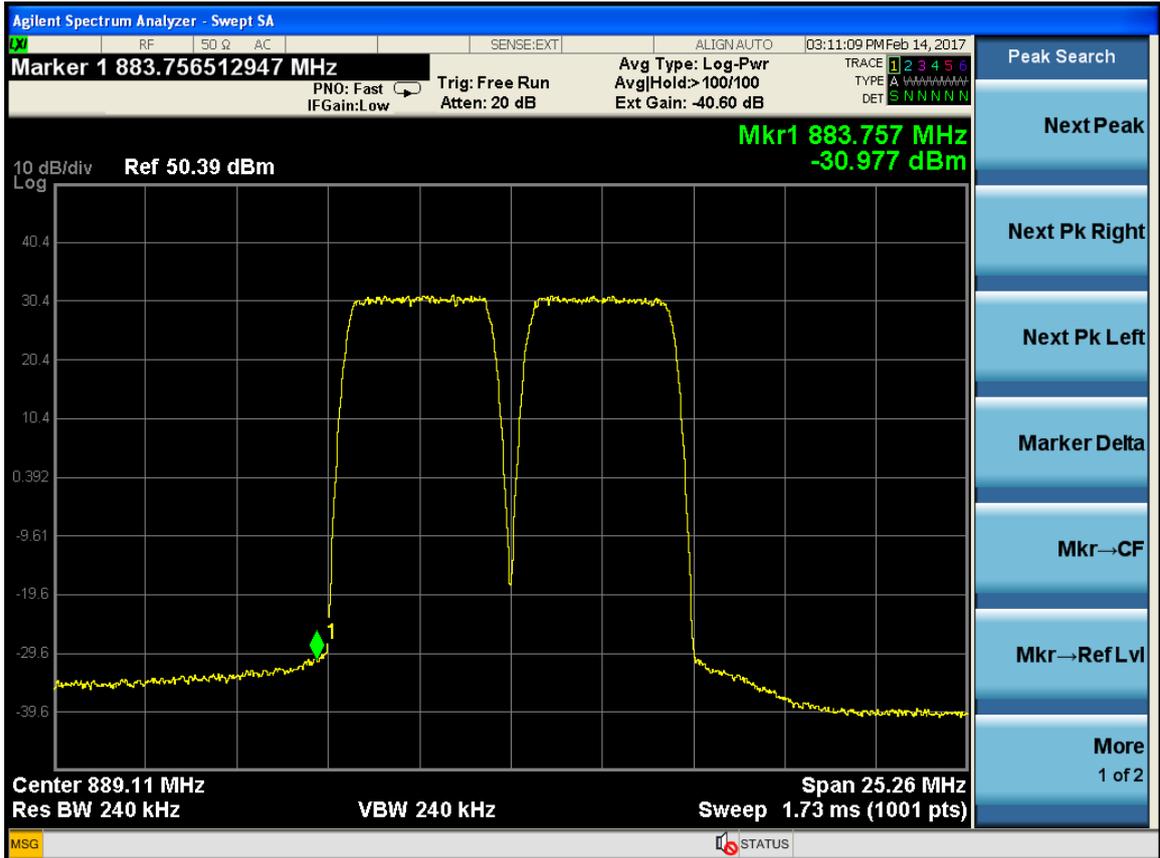
Marker Delta

Mkr→CF

Mkr→Ref Lvl

More
1 of 2

For two carriers (working in top frequency)



**12 FREQUENCY STABILITY****12.1 Applicable Standard: FCC § 2.1055, § 22.355**

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.

12.2 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51160170	2016-6-22	2017-6-21
YLT	40dB Attenuator	SJ-SN-200	2009010555	N.A	N.A
Forstar	Forstar RF Cable	031-D	1034	N.A	N.A

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

12.3 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.

12.4 Environmental Conditions

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

12.5 Test Result: Pass**12.6 Test Mode: Transmitting UMTS****12.7 Test Data****12.7.1 Frequency Stability Versus Temperature**

Frequency Stability vs Temperature



Temperature (°C)	Power Supplied (V _{dc})	Frequency Measure Error (Hz)	Limit (ppm)	Limit (Hz)	Result
B(871.4MHz)					
-40	-48	-2.6	0.05	43.57	PASS
-30	-48	-3.4	0.05	43.57	PASS
-20	-48	-3.3	0.05	43.57	PASS
-10	-48	2.8	0.05	43.57	PASS
0	-48	-4.2	0.05	43.57	PASS
10	-48	-3.7	0.05	43.57	PASS
20	-48	2.5	0.05	43.57	PASS
30	-48	-3.9	0.05	43.57	PASS
40	-48	-3.3	0.05	43.57	PASS
50	-48	3.2	0.05	43.57	PASS
55	-48	-3.9	0.05	43.57	PASS
M(881.4MHz)					
-40	-48	-3.5	0.05	44.07	PASS
-30	-48	-2.9	0.05	44.07	PASS
-20	-48	-3.8	0.05	44.07	PASS
-10	-48	3.6	0.05	44.07	PASS
0	-48	-3.6	0.05	44.07	PASS
10	-48	2.9	0.05	44.07	PASS
20	-48	-3.8	0.05	44.07	PASS
30	-48	-3.4	0.05	44.07	PASS
40	-48	-4.5	0.05	44.07	PASS
50	-48	2.9	0.05	44.07	PASS
55	-48	-3.4	0.05	44.07	PASS
T(891.6MHz)					
-40	-48	-4.2	0.05	44.58	PASS
-30	-48	-3.9	0.05	44.58	PASS
-20	-48	2.8	0.05	44.58	PASS
-10	-48	3.3	0.05	44.58	PASS
0	-48	-3.7	0.05	44.58	PASS
10	-48	3.2	0.05	44.58	PASS
20	-48	-2.7	0.05	44.58	PASS
30	-48	-3.4	0.05	44.58	PASS
40	-48	3.7	0.05	44.58	PASS
50	-48	-3.5	0.05	44.58	PASS
55	-48	-4.2	0.05	44.58	PASS

**12.7.2 Frequency Stability Versus Voltage**

Frequency Stability vs. Voltage					
VoltageV_d c	Temperature °C	Frequency Measure Error Hz	Limit (ppm)	Limit (Hz)	Result
B(871.4MHz)					
-37	25	-4.4	0.05	43.57	PASS
-42	25	-3.3	0.05	43.57	PASS
-48	25	2.8	0.05	43.57	PASS
-54	25	-2.9	0.05	43.57	PASS
-60	25	3.4	0.05	43.57	PASS
M(881.4MHz)					
-37	25	-4.1	0.05	44.07	PASS
-42	25	3.7	0.05	44.07	PASS
-48	25	-3.5	0.05	44.07	PASS
-54	25	3.9	0.05	44.07	PASS
-60	25	-3.5	0.05	44.07	PASS
T(891.6MHz)					
-37	25	2.9	0.05	44.58	PASS
-42	25	-3.4	0.05	44.58	PASS
-48	25	-2.3	0.05	44.58	PASS
-54	25	3.2	0.05	44.58	PASS
-60	25	-3.8	0.05	44.58	PASS

---End of Report---