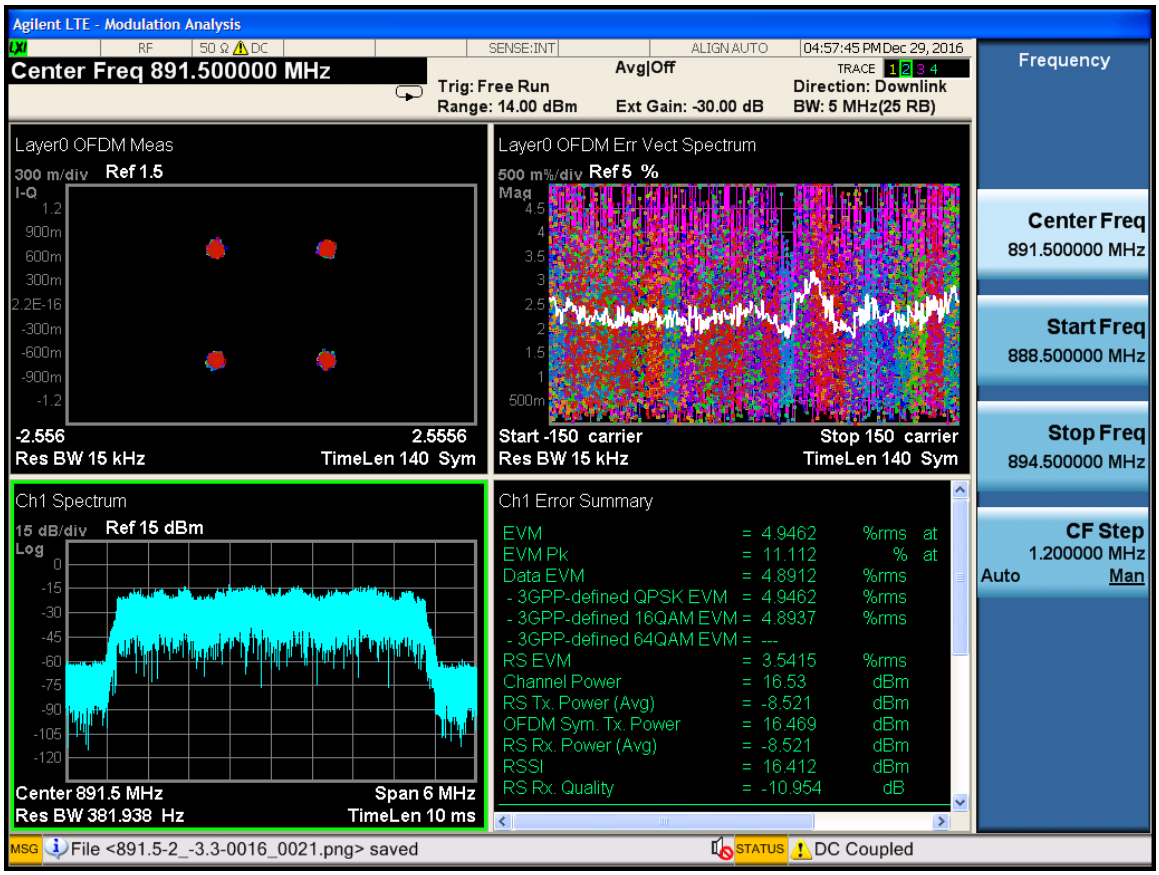
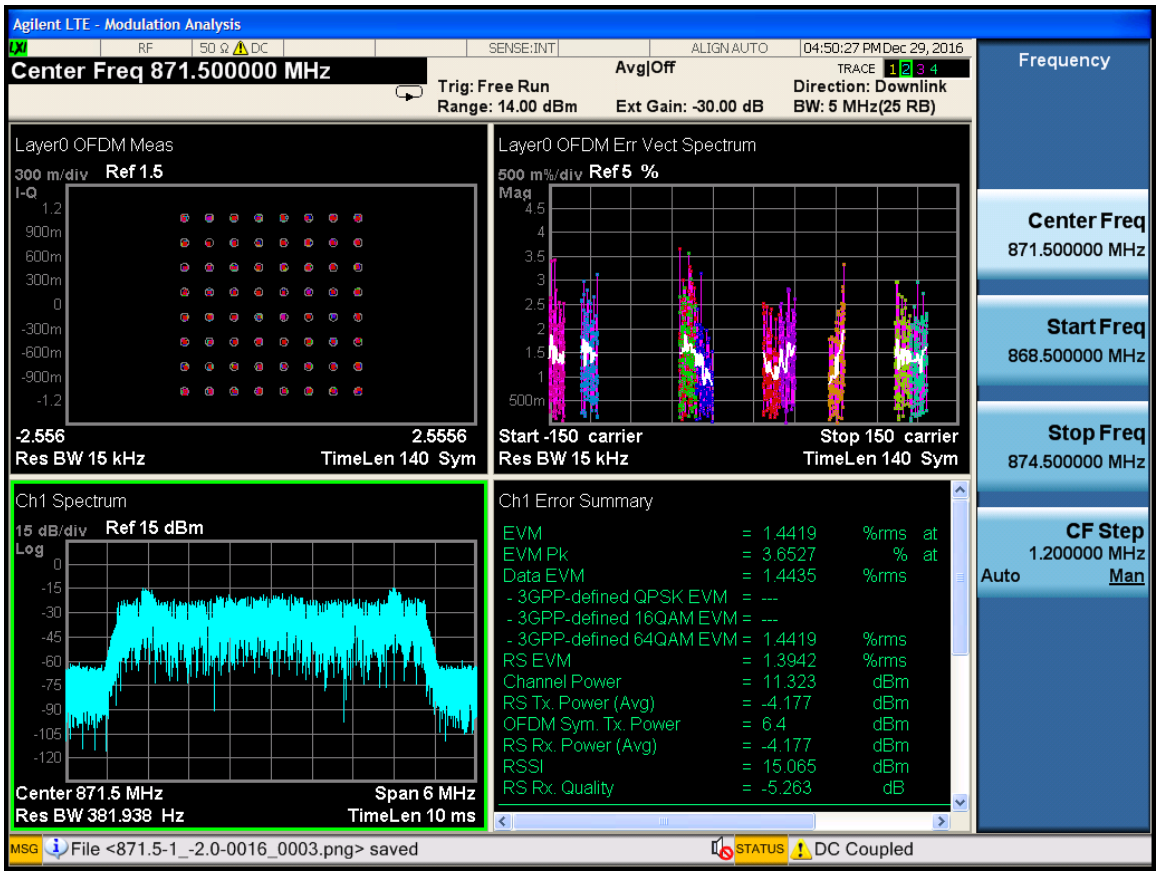
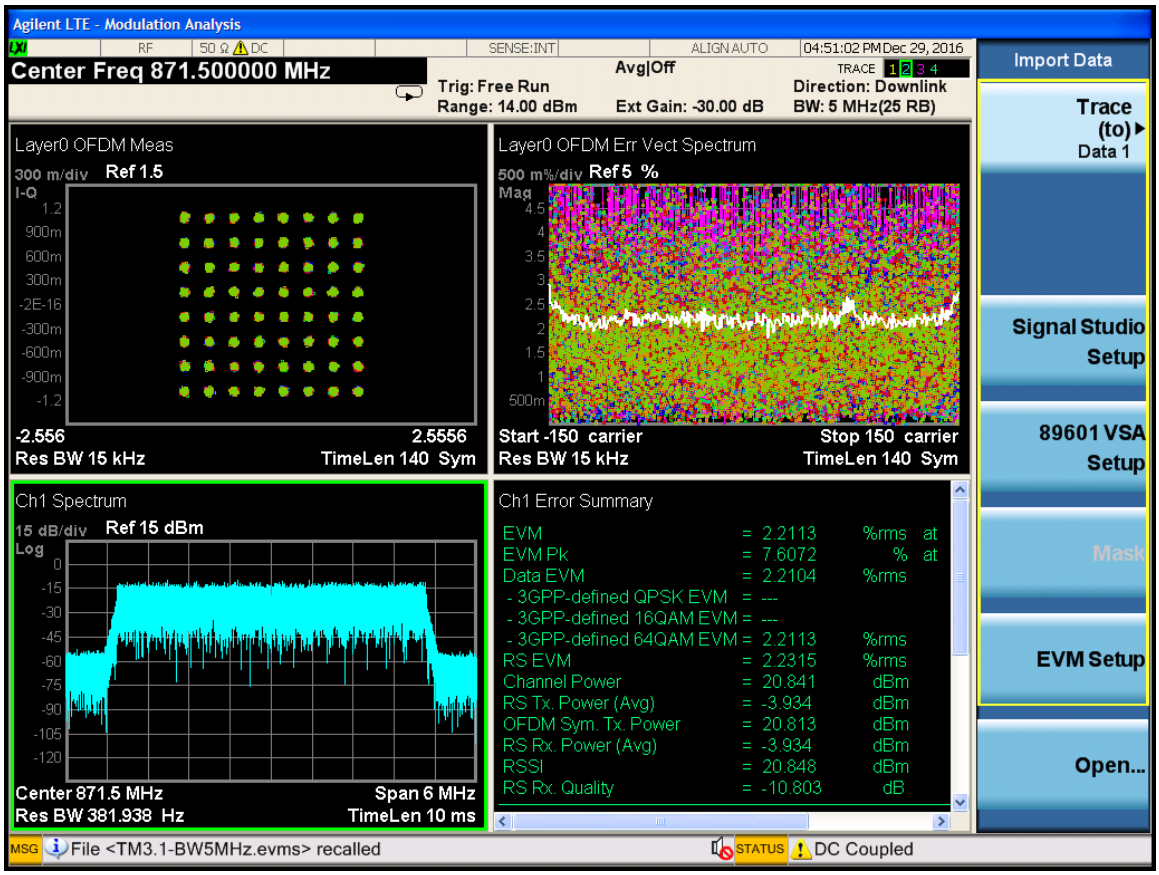


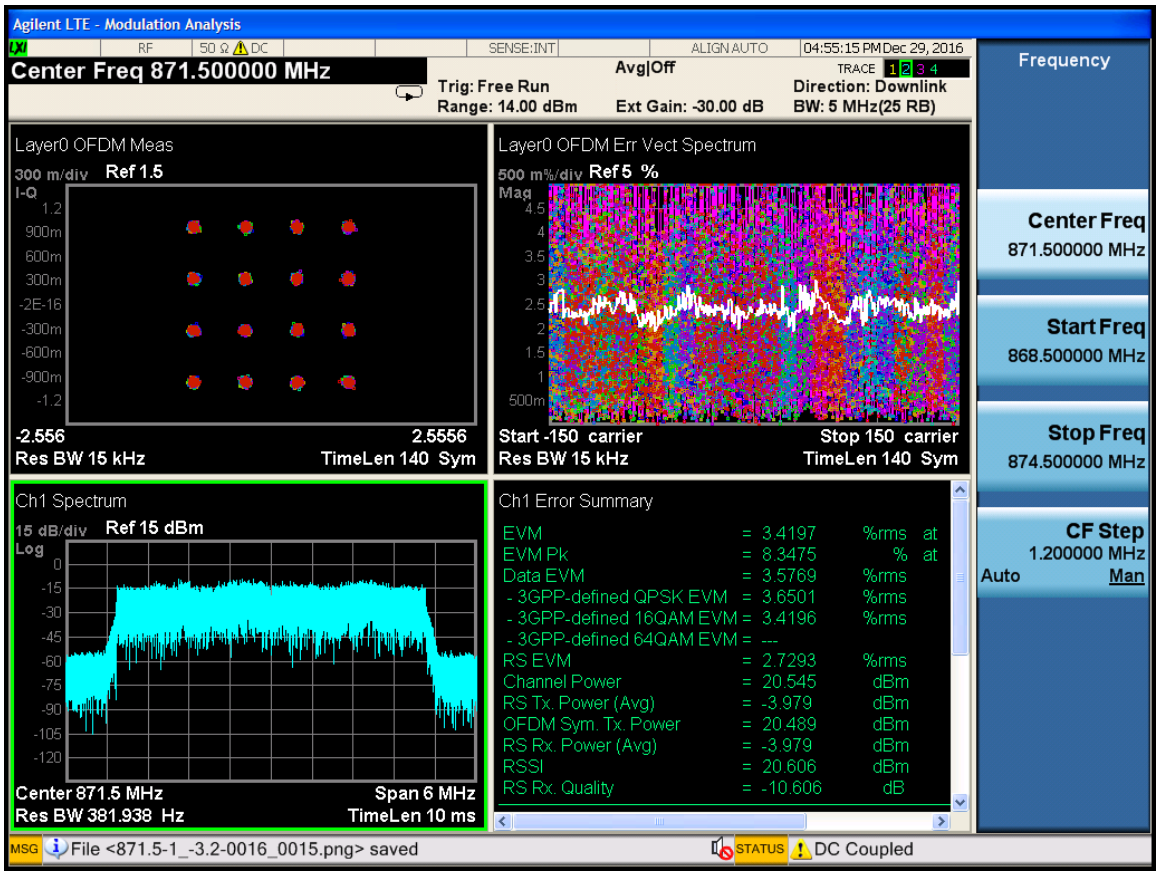
LTE5M-Port1-871.5MHz-E-TM2.0



LTE5M-Port1-871.5MHz-E-TM3.1



LTE5M-Port1-871.5MHz-E-TM3.2



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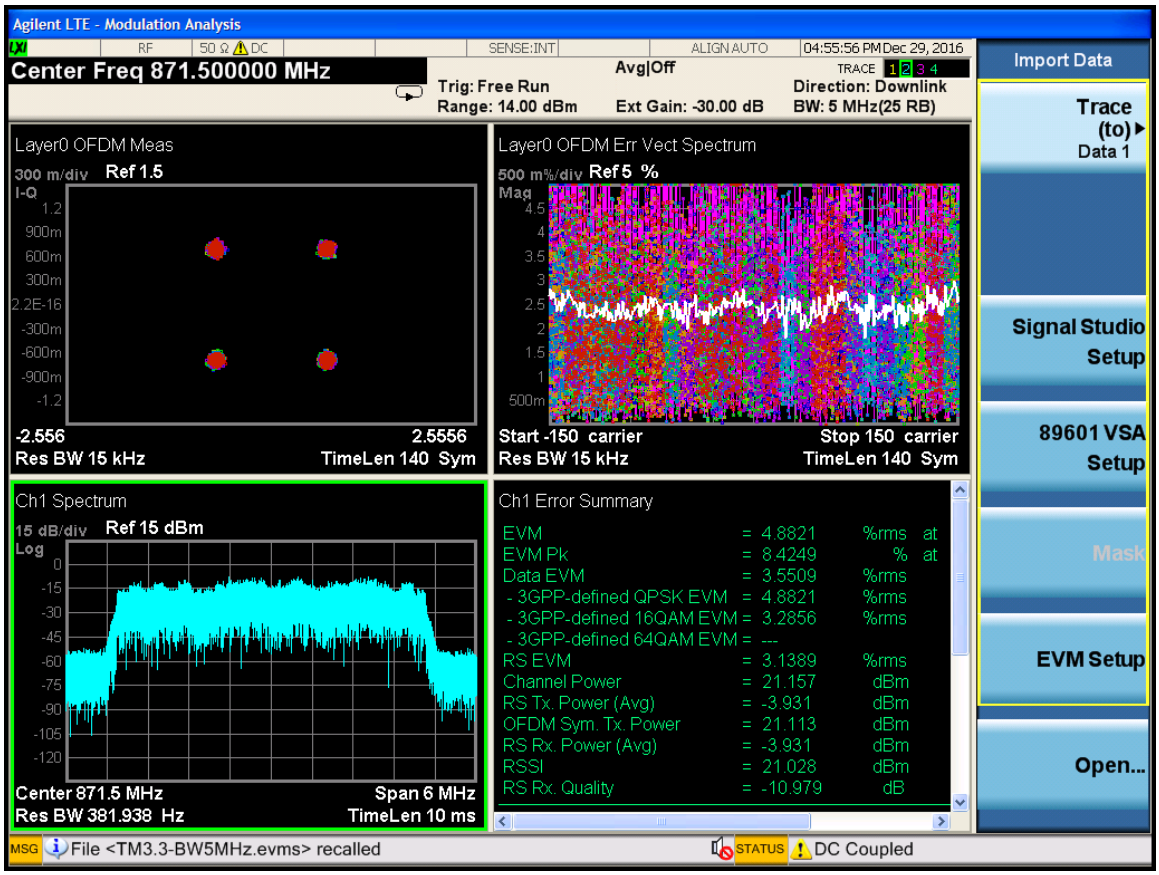
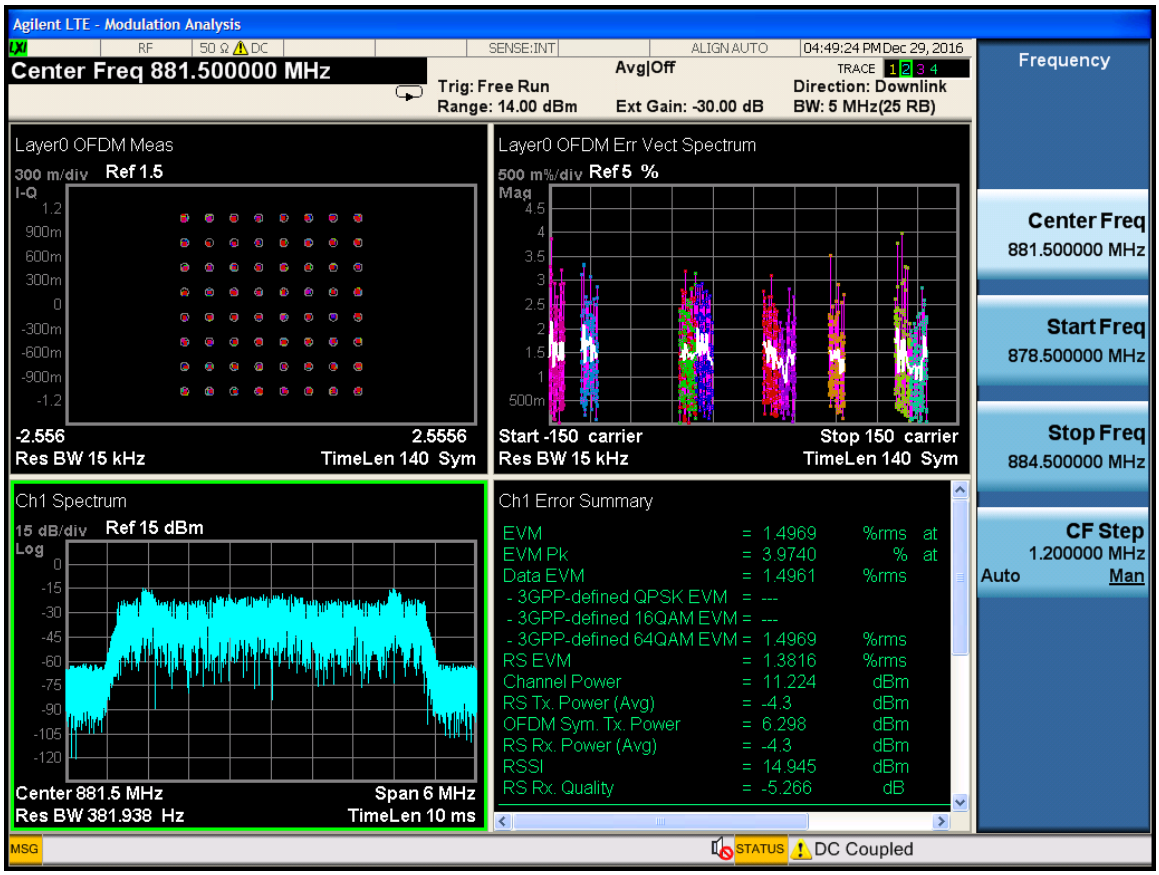
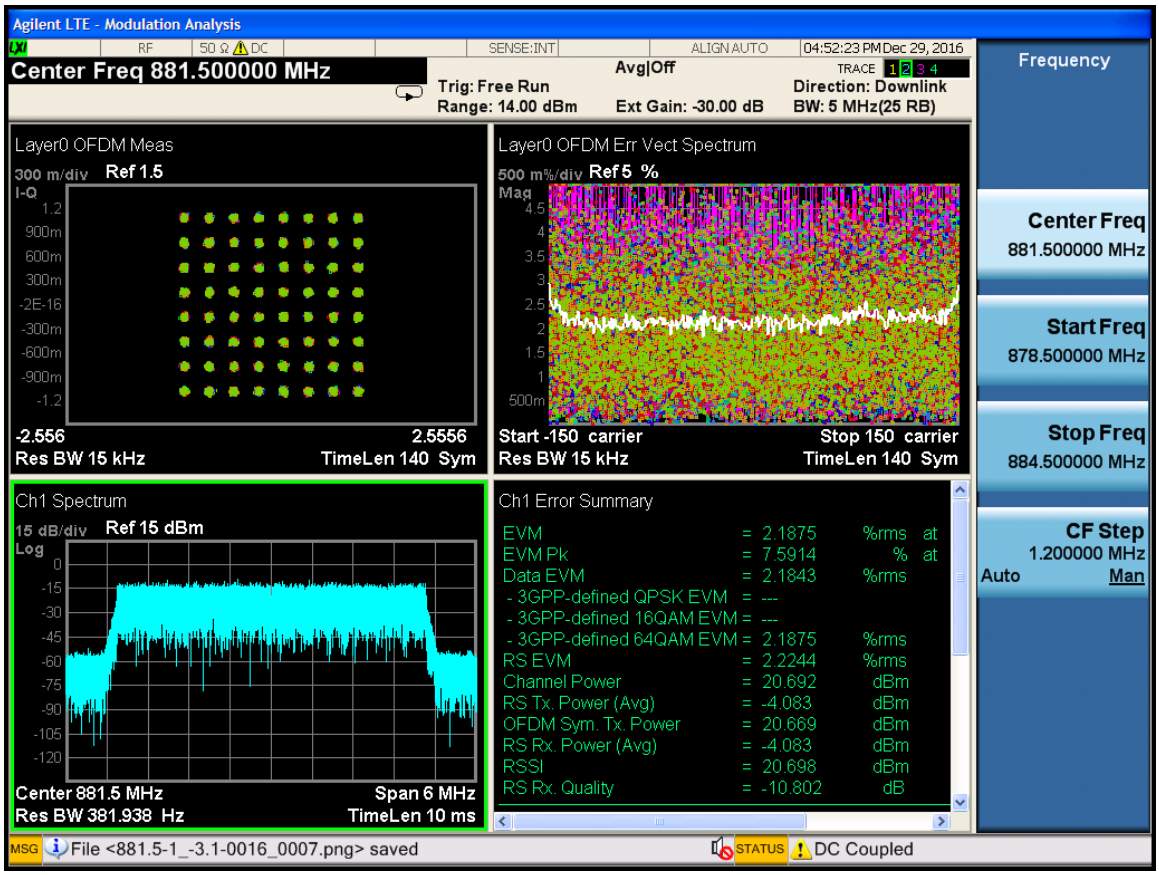


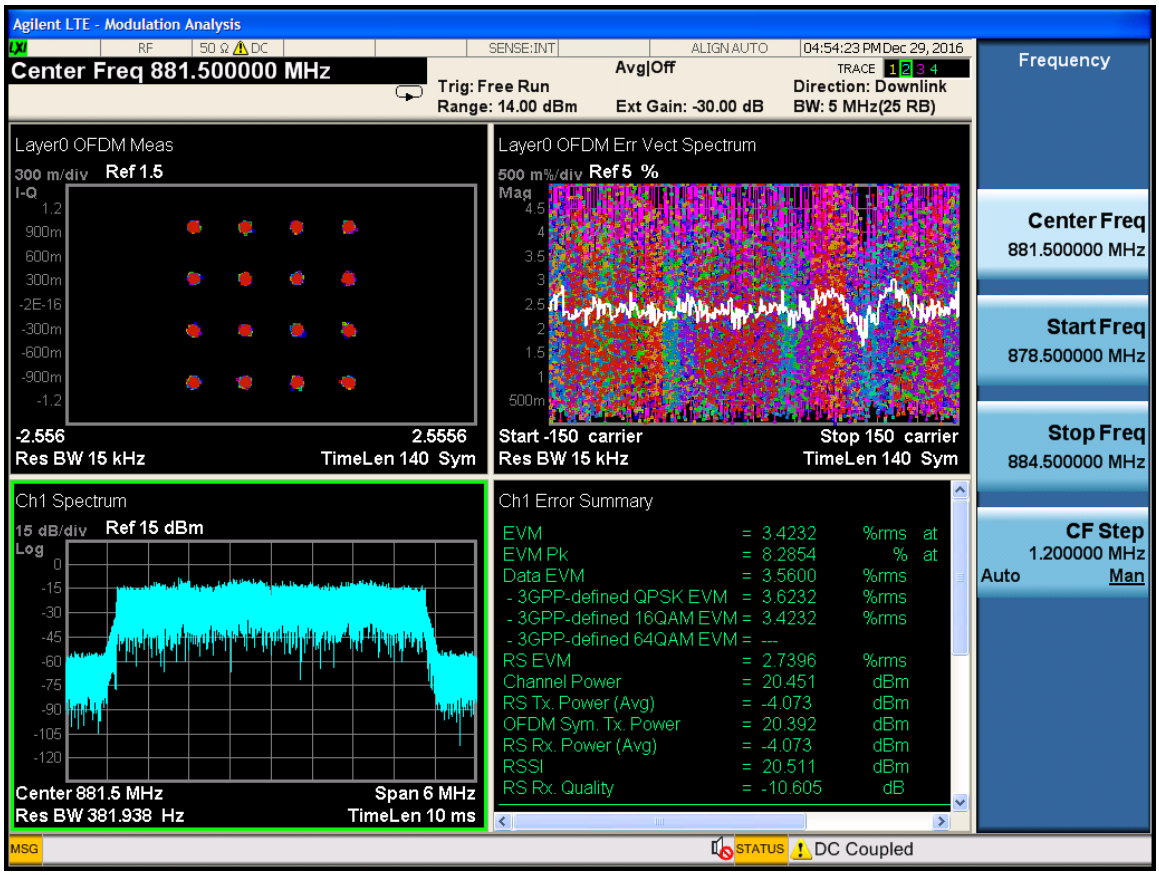
LTE5M-Port1-881.5MHz-E-TM2.0



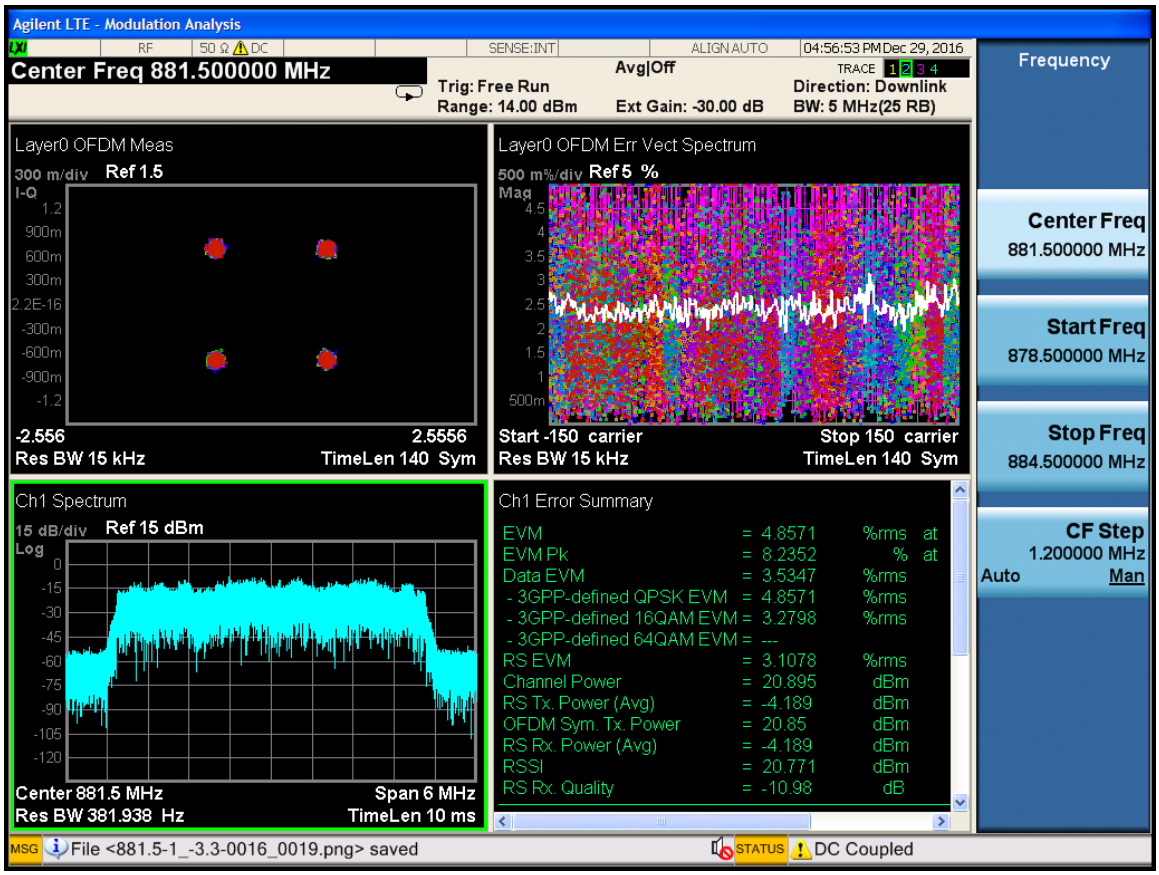
LTE5M-Port1-881.5MHz-E-TM3.1



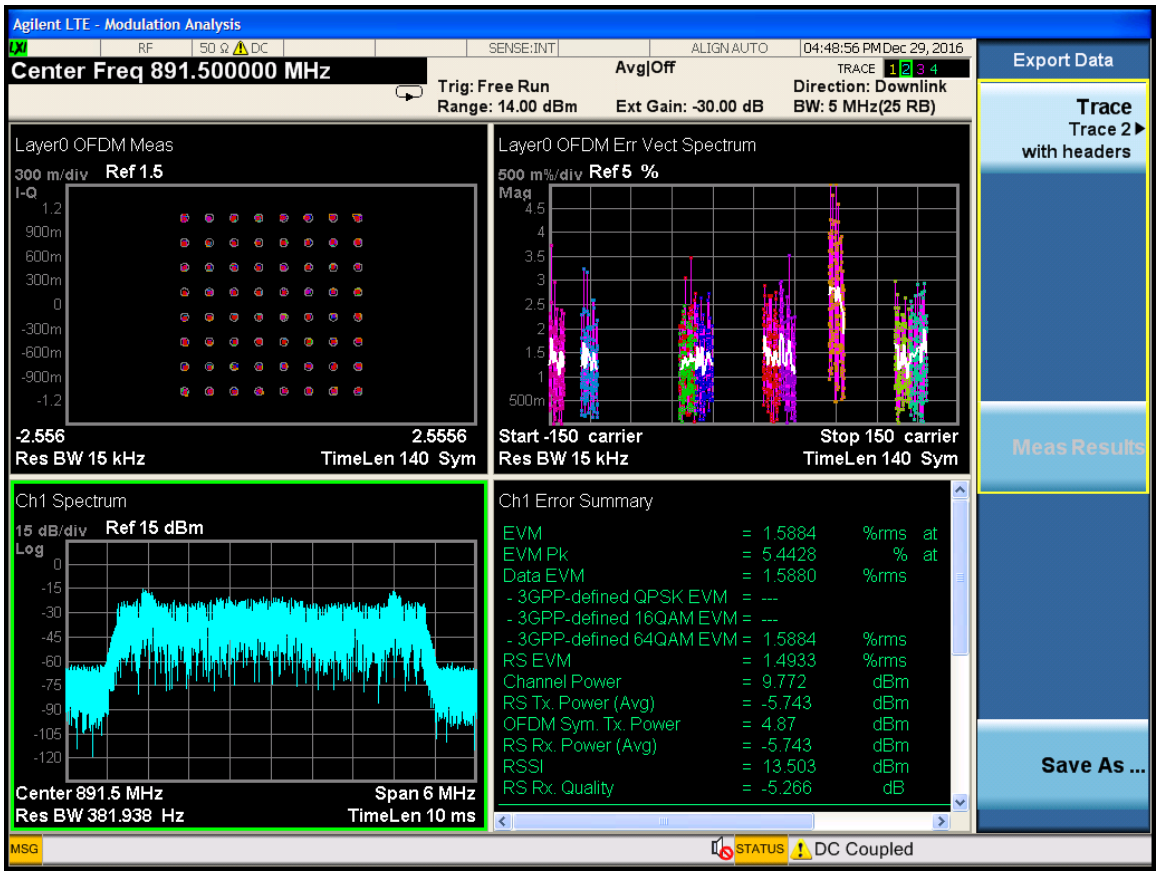
LTE5M-Port1-881.5MHz-E-TM3.2



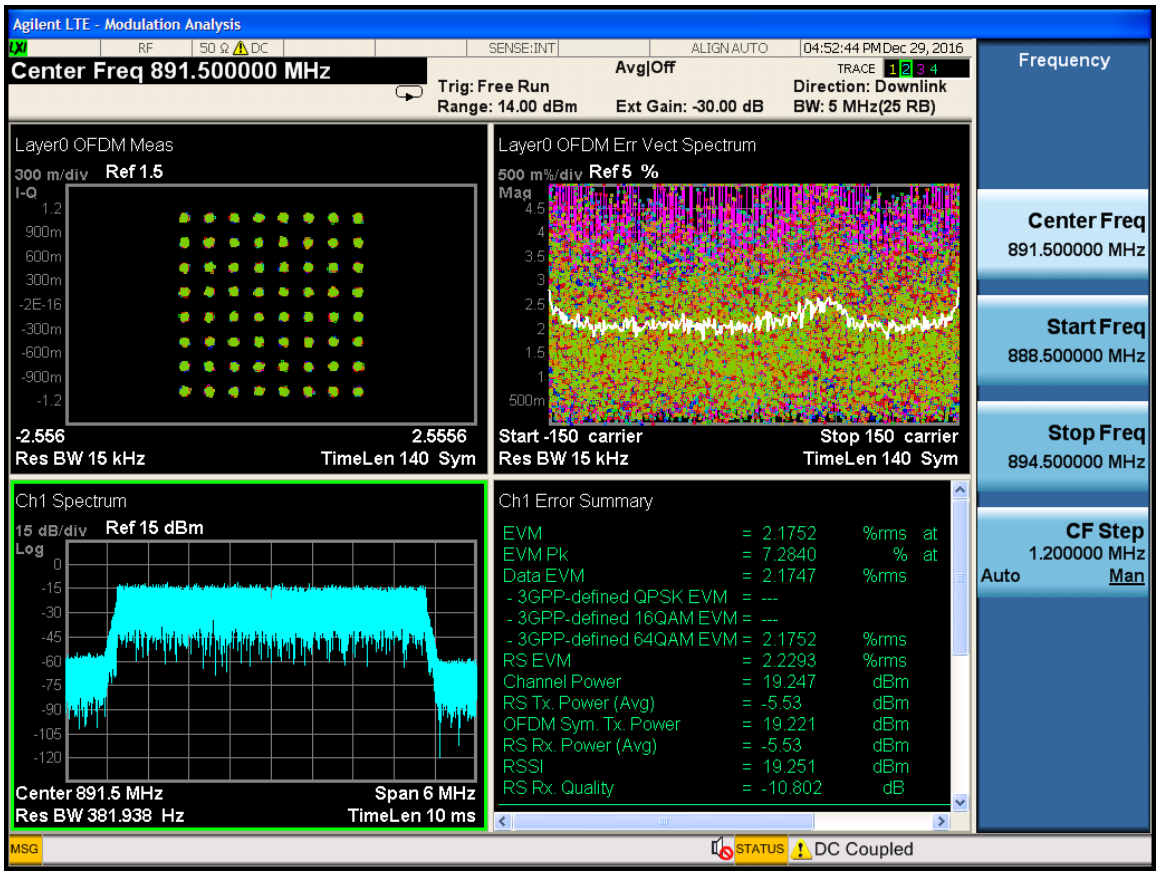
LTE5M-Port1-881.5MHz-E-TM3.3



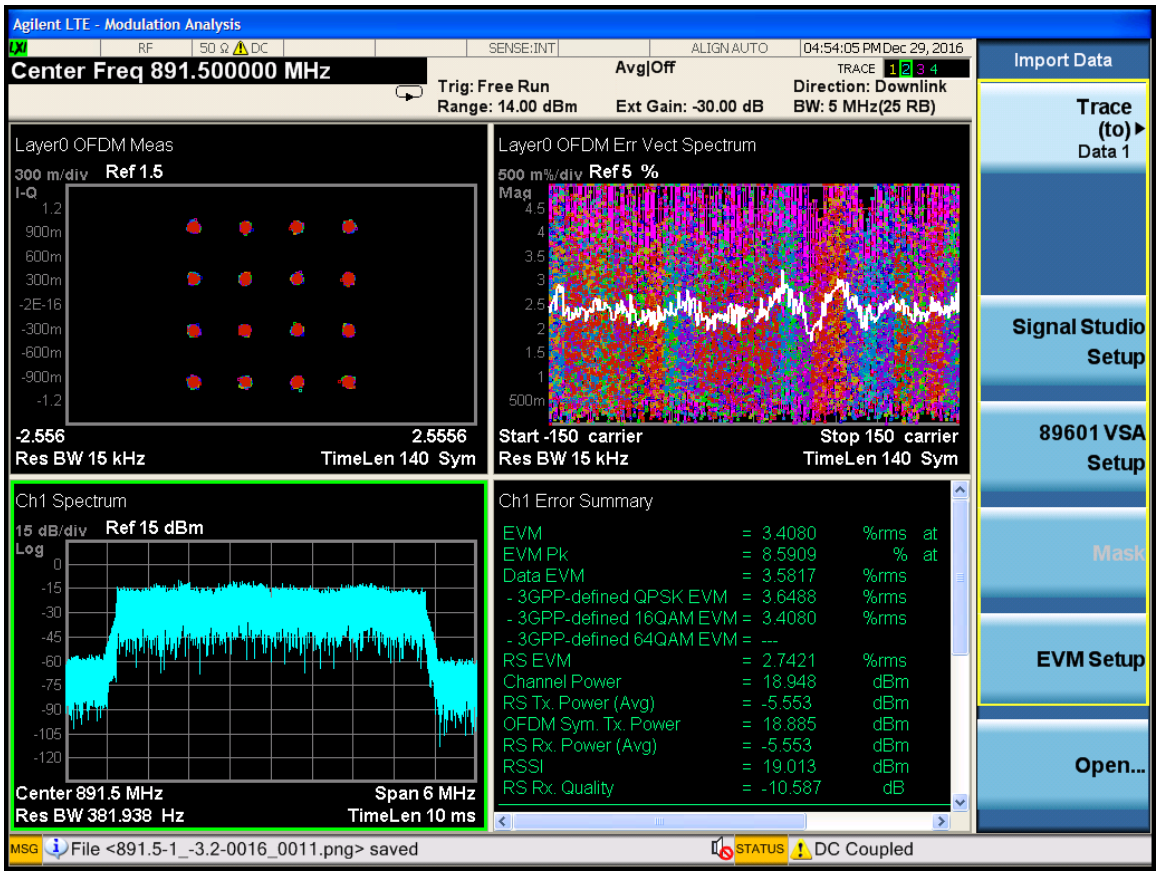
LTE5M-Port1-891.5MHz-E-TM2.0



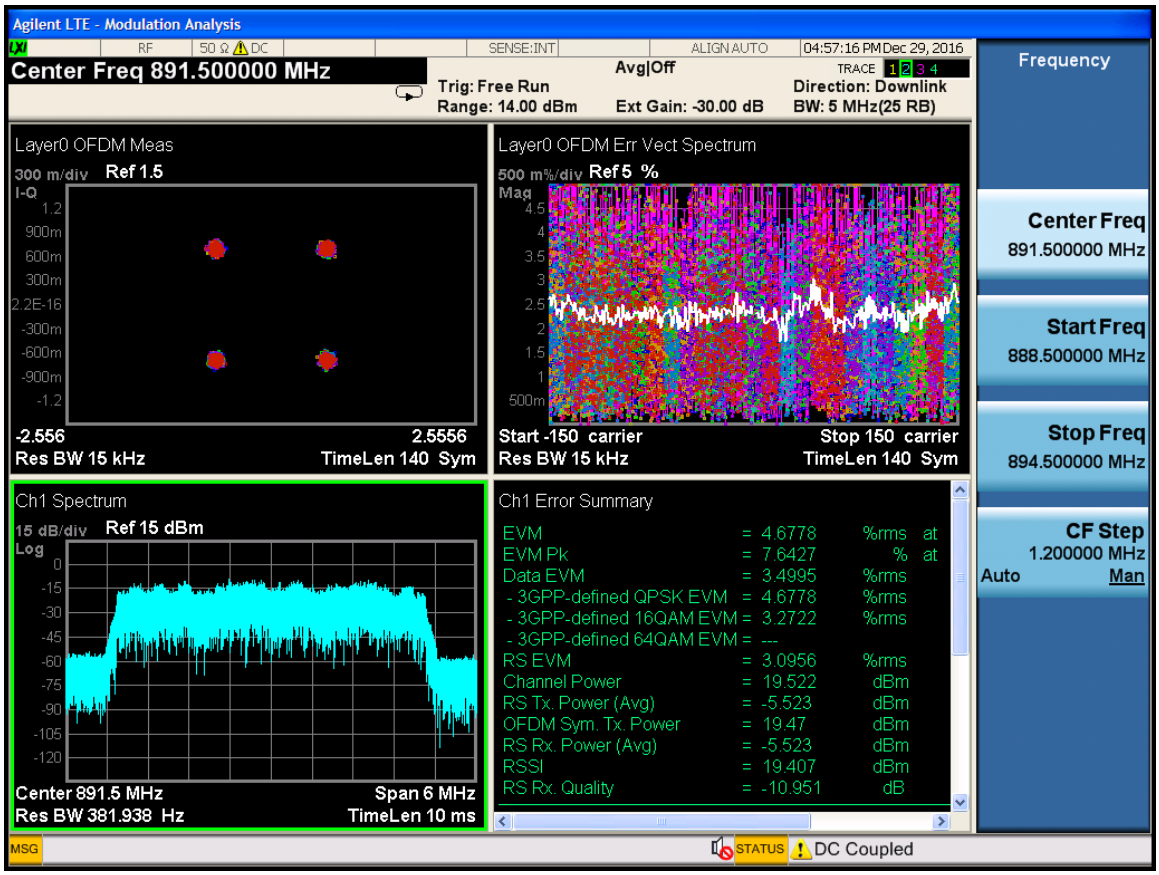
LTE5M-Port1-891.5MHz-E-TM3.1



LTE5M-Port1-891.5MHz-E-TM3.2



LTE5M-Port1-891.5MHz-E-TM3.3



8 SPURIOUS RADIATED EMISSIONS

Applicable Standard: FCC CFR 47 §2.1053

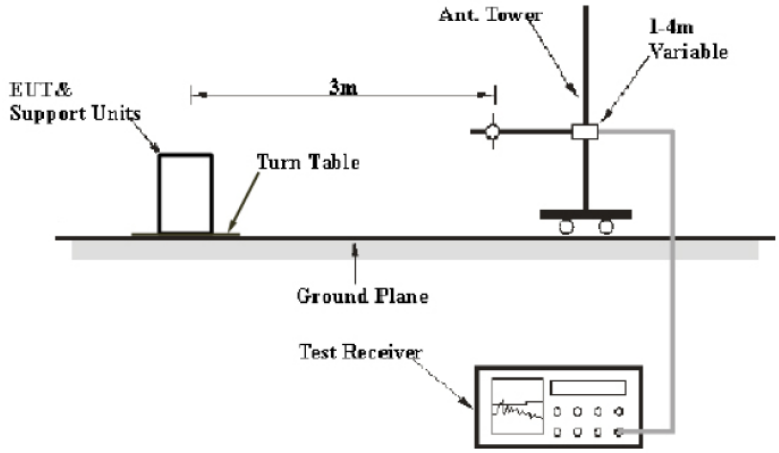
Test Equipment List and Details

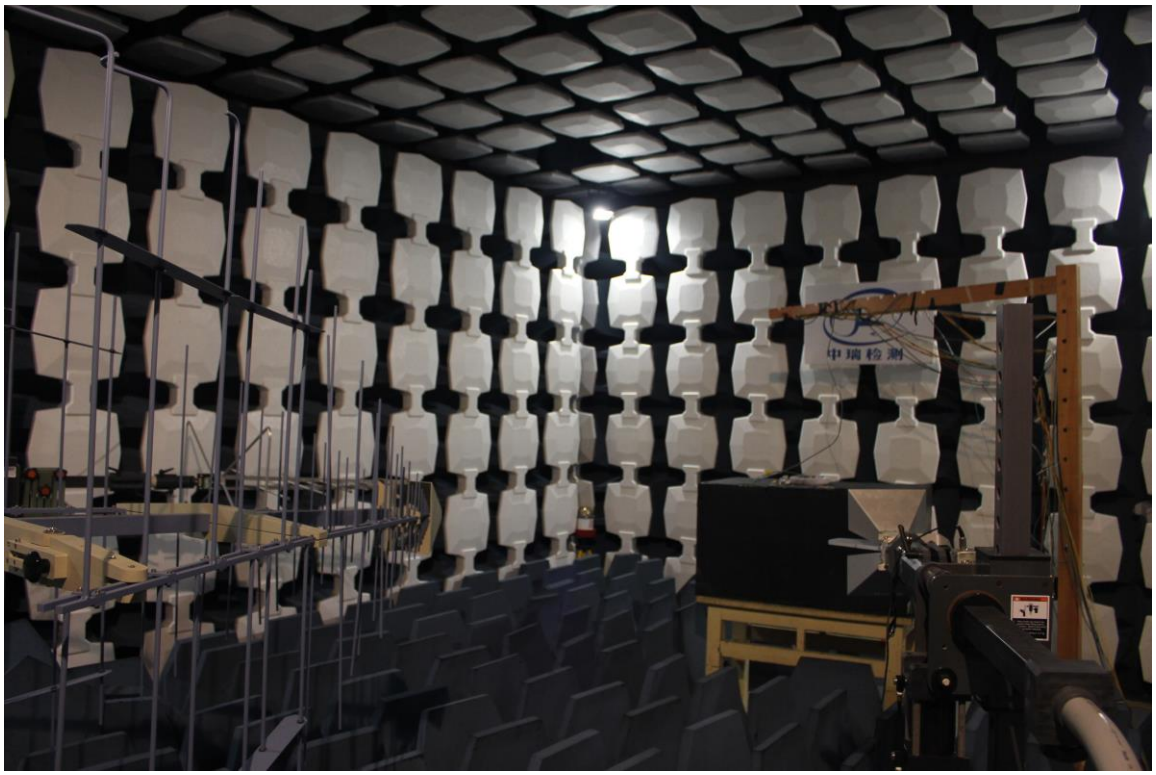
Manufacturer	Equipment	Model	Serial Number	Last Cal.	Cal. Interval
Albatross	Anechoic Chamber	3m Site	A00017354	2016-11-18	1 year
R&S	EMI Test Receiver	ESI26	100058	2016-8-1	1 year
R&S	Log periodic Antenna	SWB-VUB A9163	9163-282	2016-12-7	1 year
R&S	Double-Ridged Waveguide Horn Antenna	HF906 TX	100032	2016-6-29	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.

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 1g (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 scaning, set at 1MHz for 1GHz to 20GHz scaning.

Test Results Summary: PASS

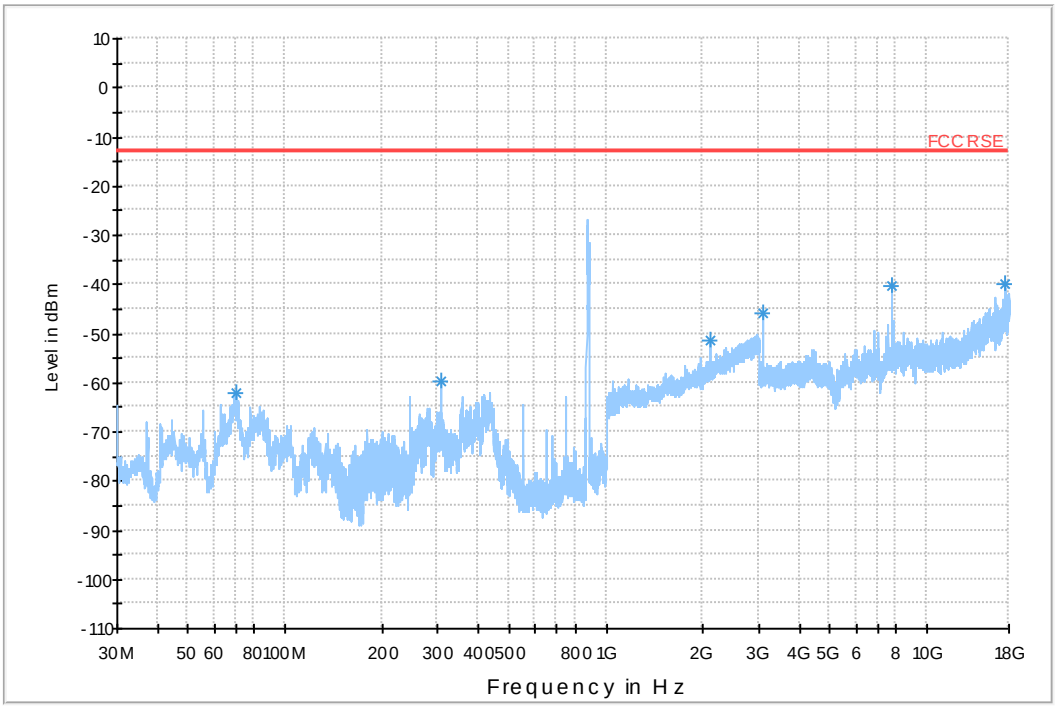
Environmental Conditions

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

Test data

30M-18GHz (Horizontal)

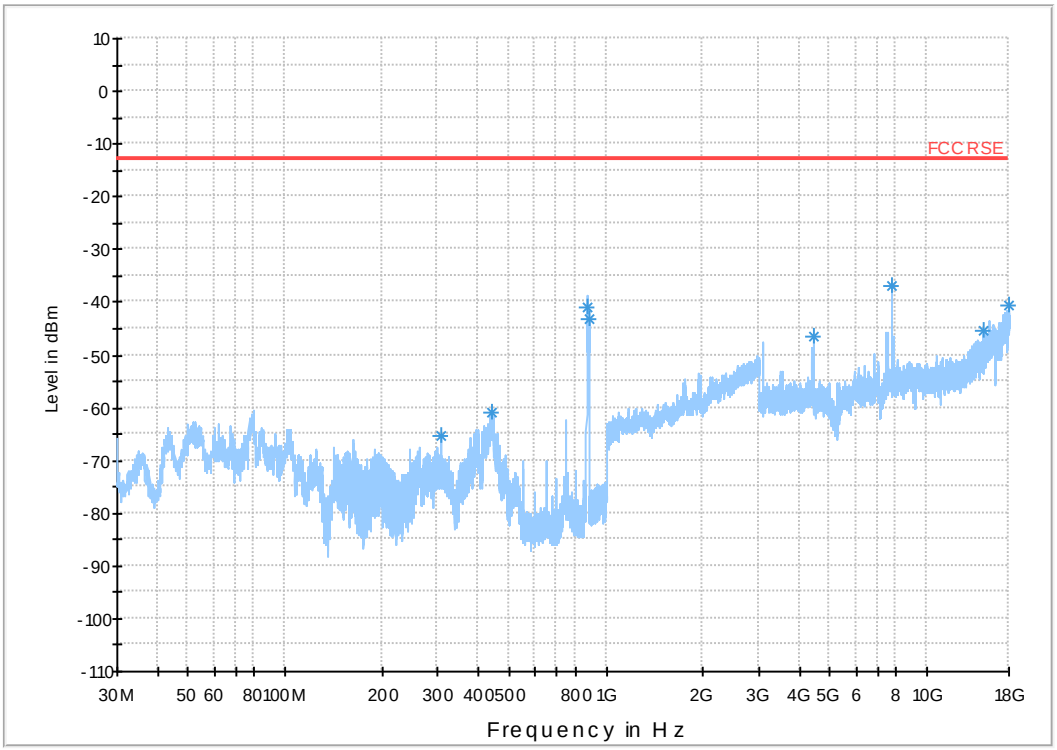
FCC RSE HP 1G 30MHz-18G -H



Frequency (MHz)	MaxPeak-MaxHold (dBm)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Limit (dBm)	Margin (dB)
70.0125	-62.2	150	H	146	-111.7	-13	49.2
307.1775	-59.8	150	H	14	-108.7	-13	46.8
2119.92	-51.4	150	H	356	-88.3	-13	38.4
3072	-45.8	150	H	258	-103.5	-13	32.8
7760	-40.2	150	H	202	-96.6	-13	27.2
17572	-39.8	150	H	125	-78.2	-13	26.8

30M-18GHz (Vertical)

FCC RSE HP 1G 30MHz-18G -V



Frequency (MHz)	MaxPeak-MaxHold (dBm)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Limit (dBm)	Margin (dB)
307.1775	-65.4	150	V	236	-107.9	-13	52.4
442.4925	-61	150	V	58	-105.4	-13	48
4422	-46.6	150	V	253	-101	-13	33.6
7760	-36.7	150	V	174	-96.8	-13	23.7
15110	-45.4	150	V	321	-86	-13	32.4
17936	-40.8	150	V	291	-79.5	-13	27.8

9 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Applicable Standard: FCC§2.1051, §22.917

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

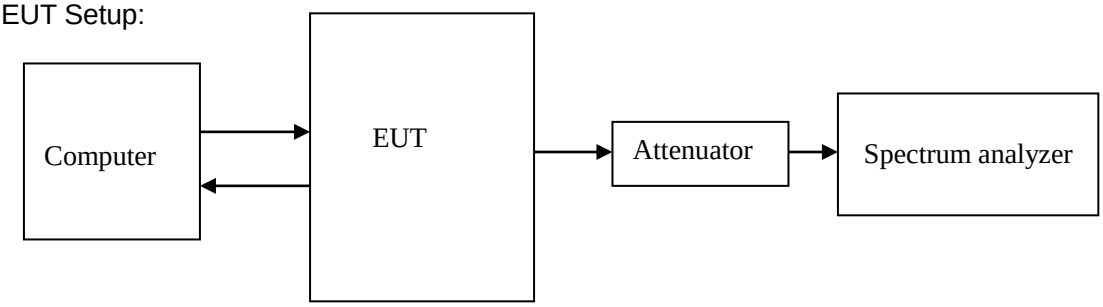
Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9030A	MY49431143	2016.09.12	2017.09.12
DTS	DTS 20dB Attenuator	DTS50-30-3-1	09112005	2016.09.12	2017.09.12

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

Test Procedure

EUT Setup:



REMARKS: Attenuator loss (dB)=30dB, Cable Loss (dB)=1.5dB.

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Test Data Environmental Conditions

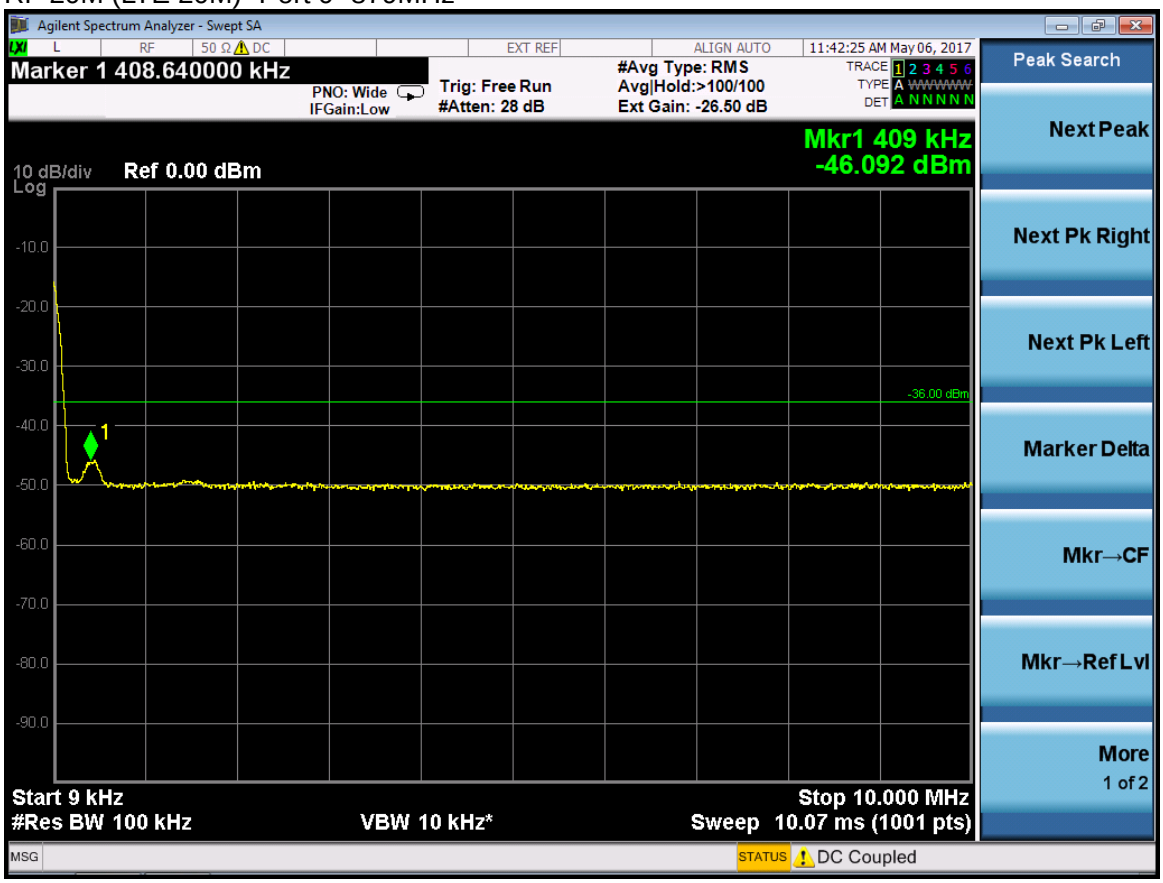
Temperature:	20 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

Test Result: Pass

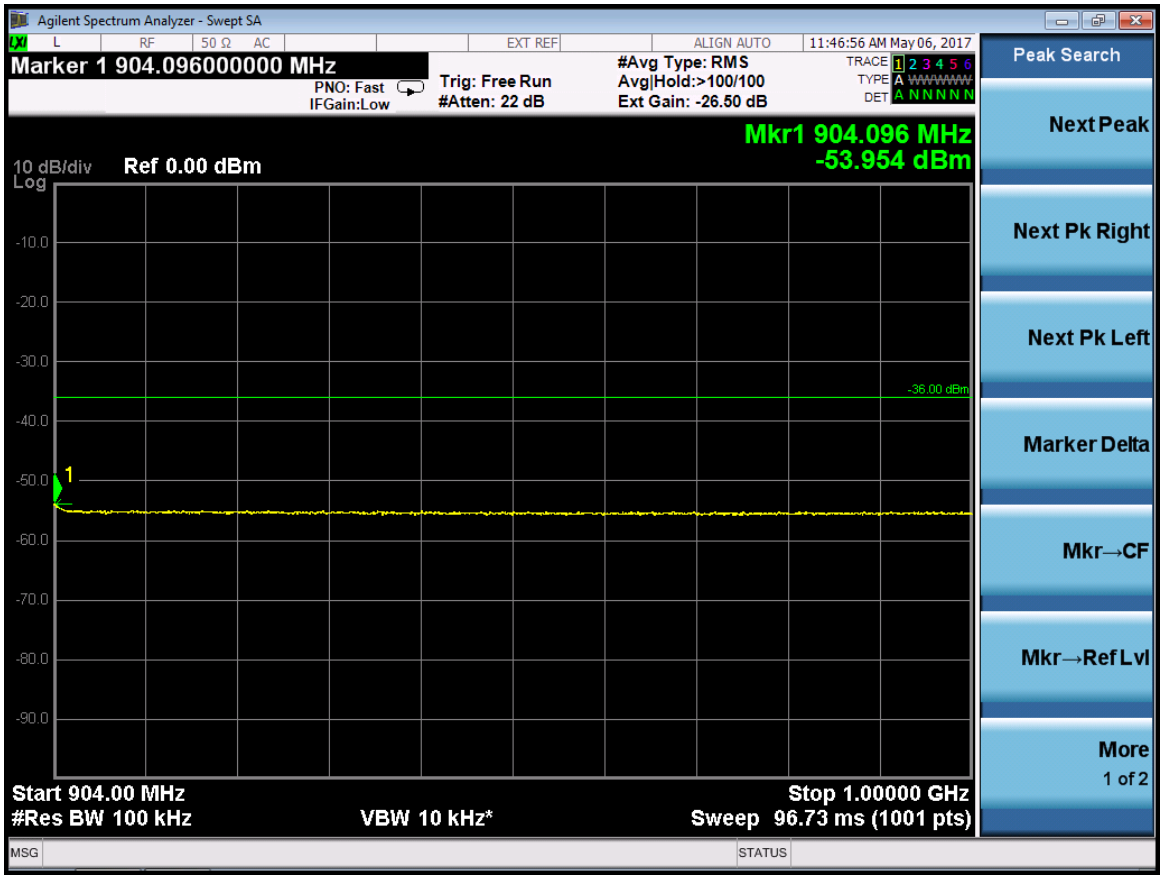
Test Mode: Transmitting LTE

Test Data:

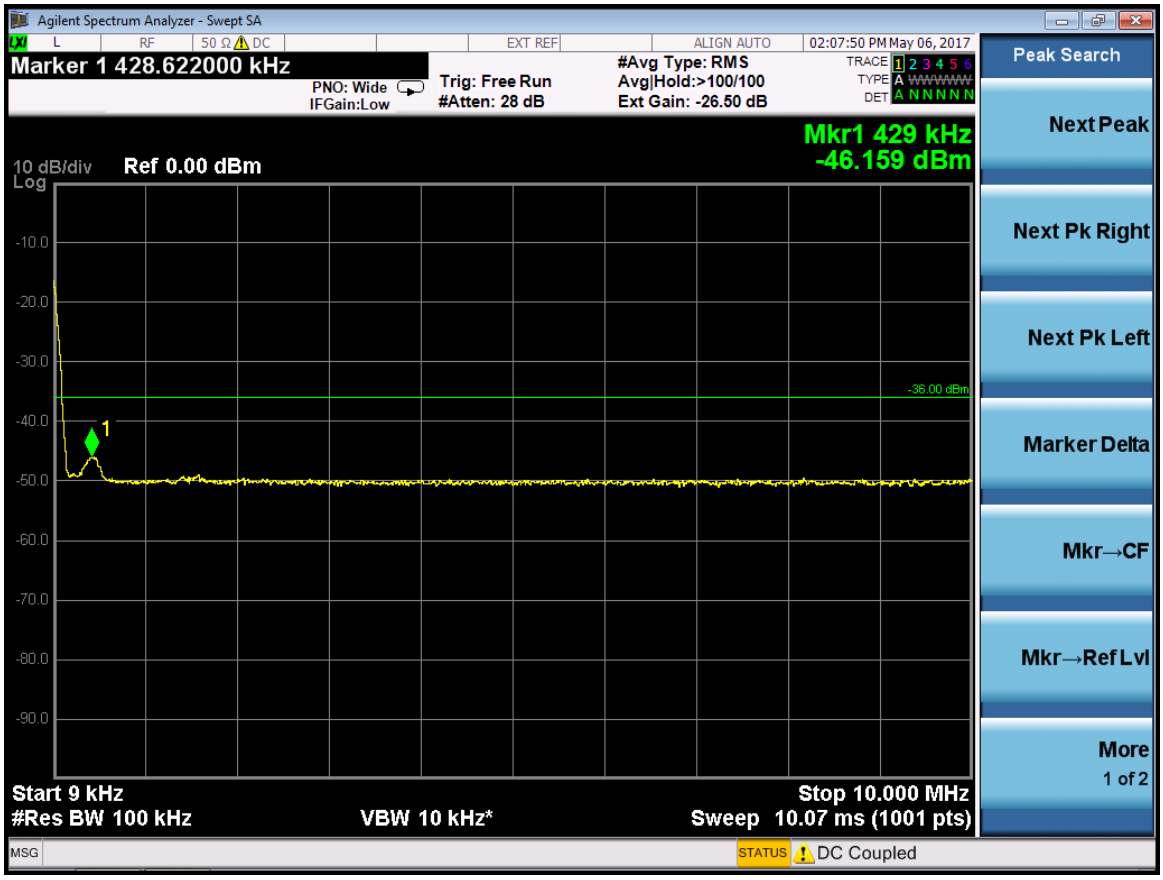
RF 20M (LTE 20M) -Port 0 -879MHz

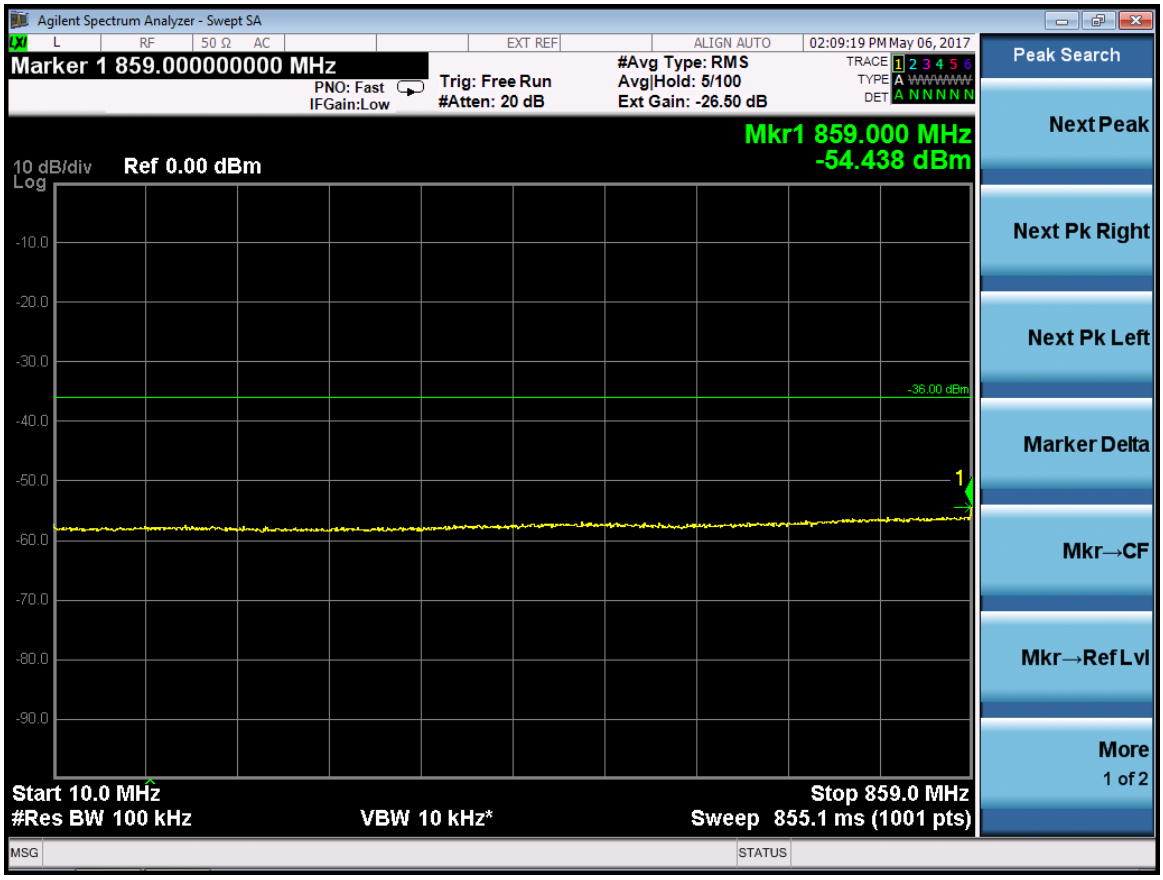


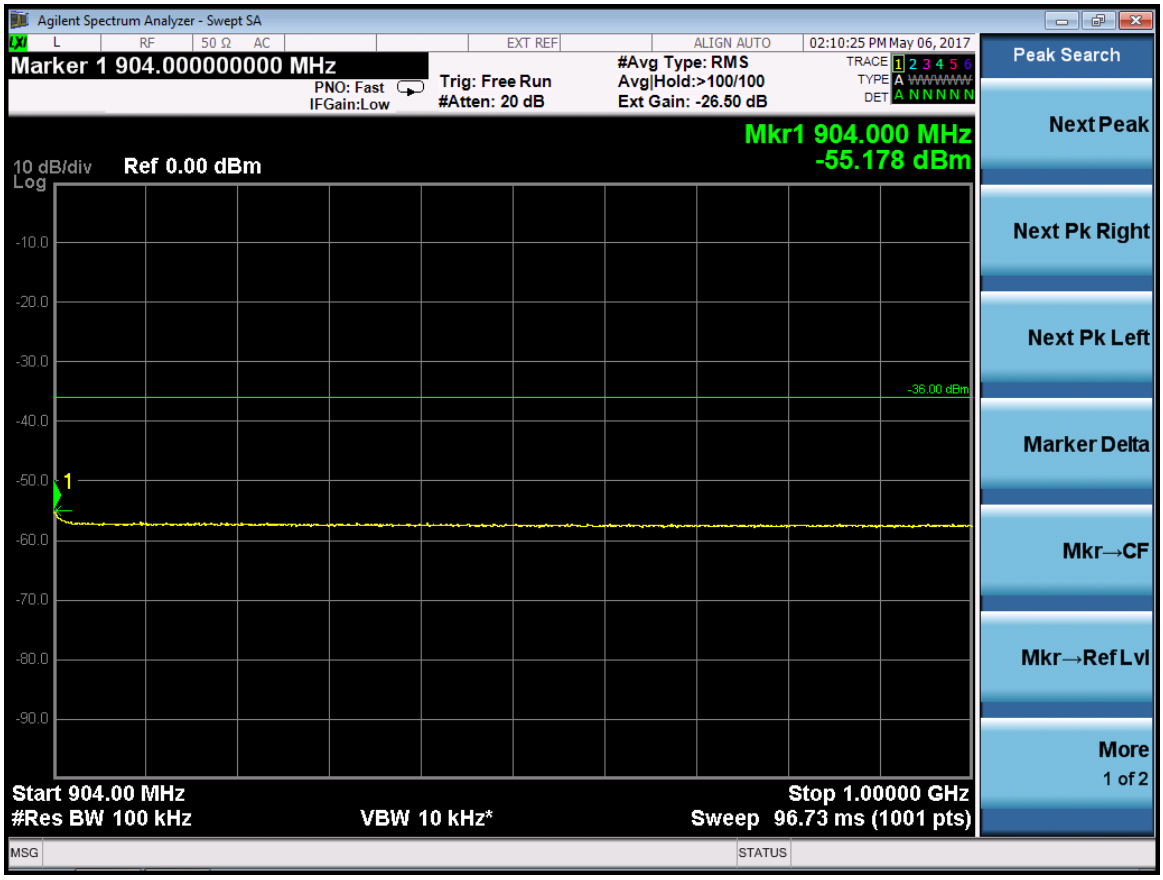

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
11:45:23 AM May 06, 2017
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 22 dB
#Avg Type: RMS
Avg|Hold: 7/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-53.176 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 10.0 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 859.0 MHz
Sweep 855.1 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
11:46:56 AM May 06, 2017
Marker 1 904.096000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 22 dB
#Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.096 MHz
-53.954 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 904.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 1.00000 GHz
Sweep 96.73 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

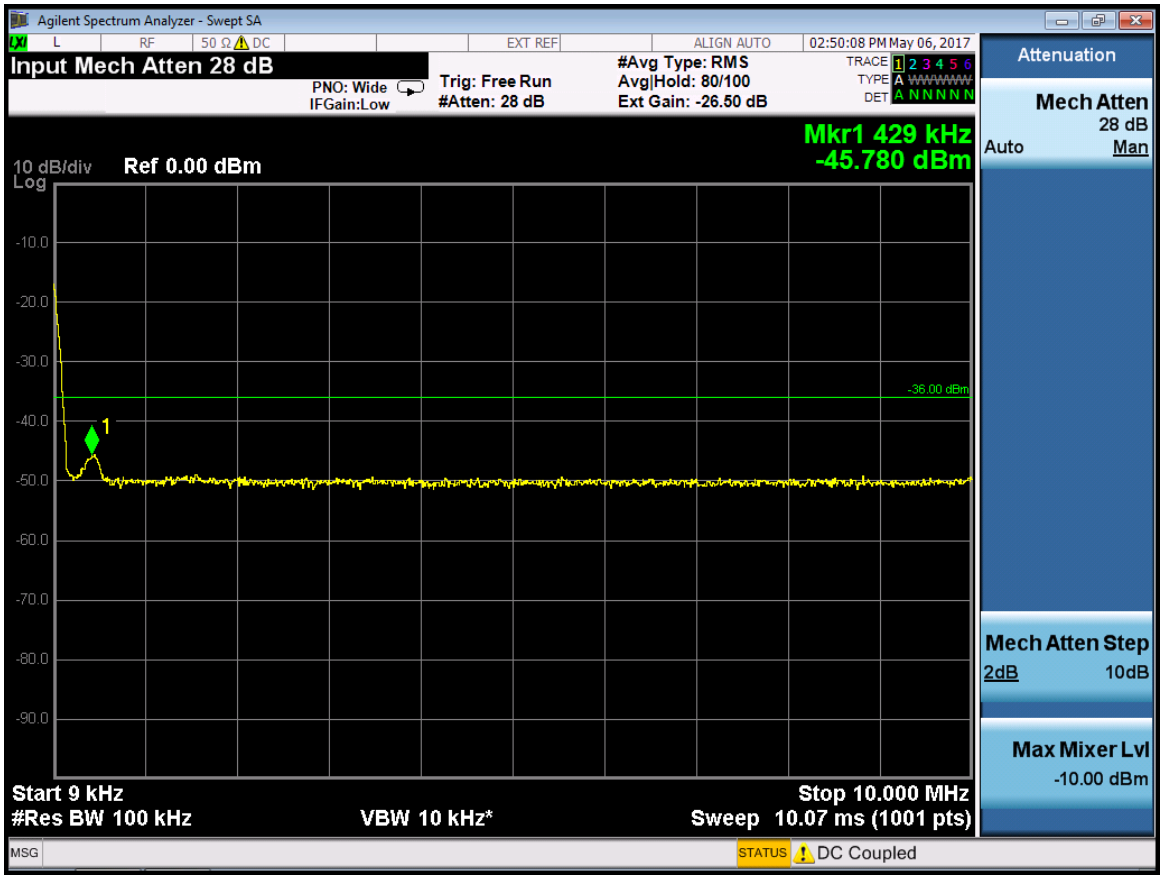
RF 20M(LTE 20M) -Port 0-881.5MHz

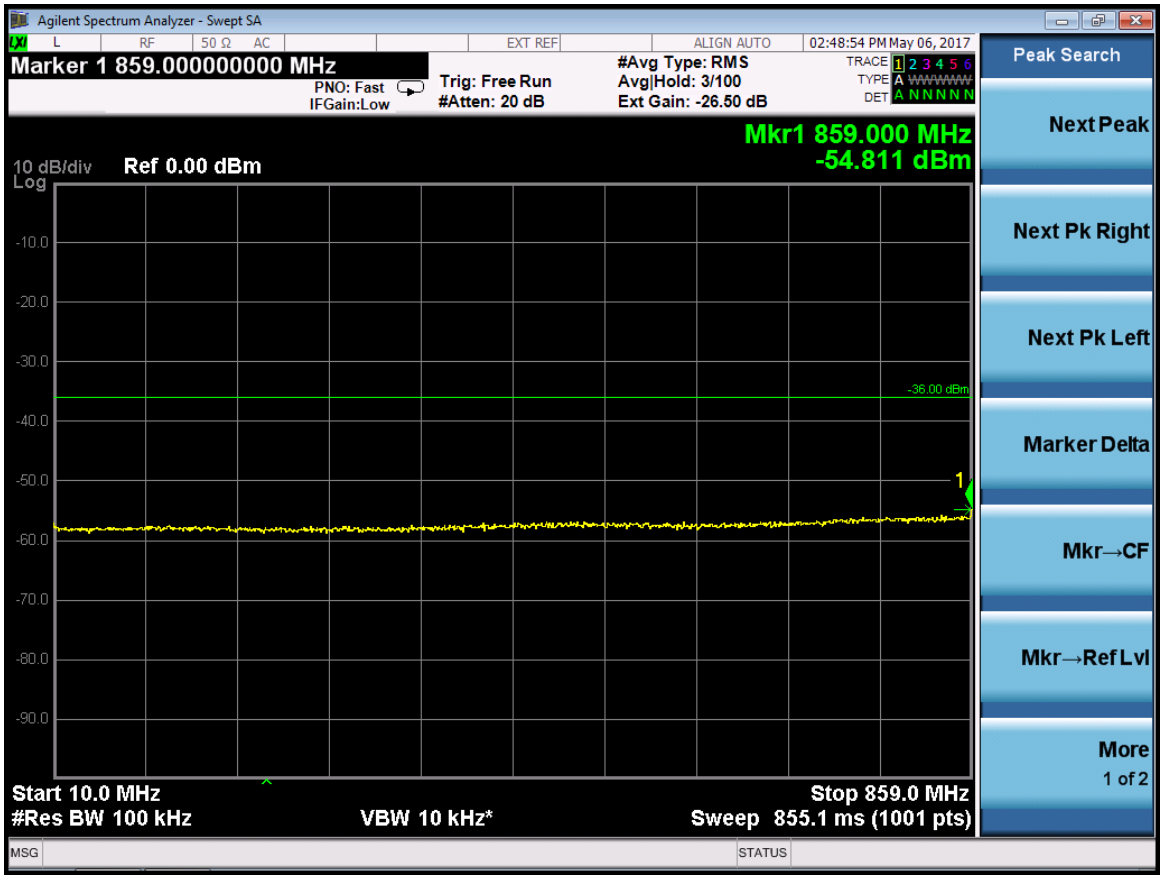

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω DC
EXT REF
ALIGN AUTO
02:07:50 PM May 06, 2017
Marker 1 428.622000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 28 dB
#Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 429 kHz
-46.159 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 9 kHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.07 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

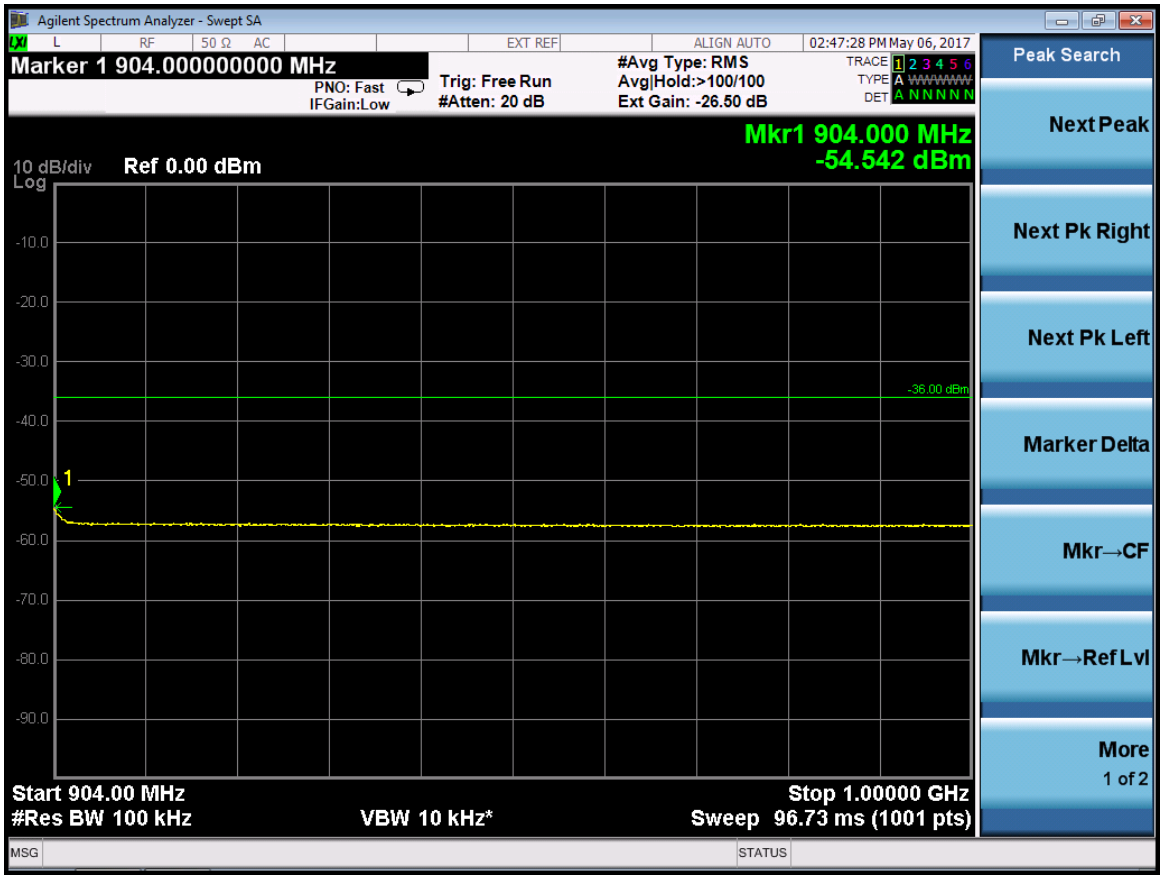

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:09:19 PM May 06, 2017
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 5/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-54.438 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 10.0 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 859.0 MHz
Sweep 855.1 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:10:25 PM May 06, 2017
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-55.178 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 904.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 1.00000 GHz
Sweep 96.73 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

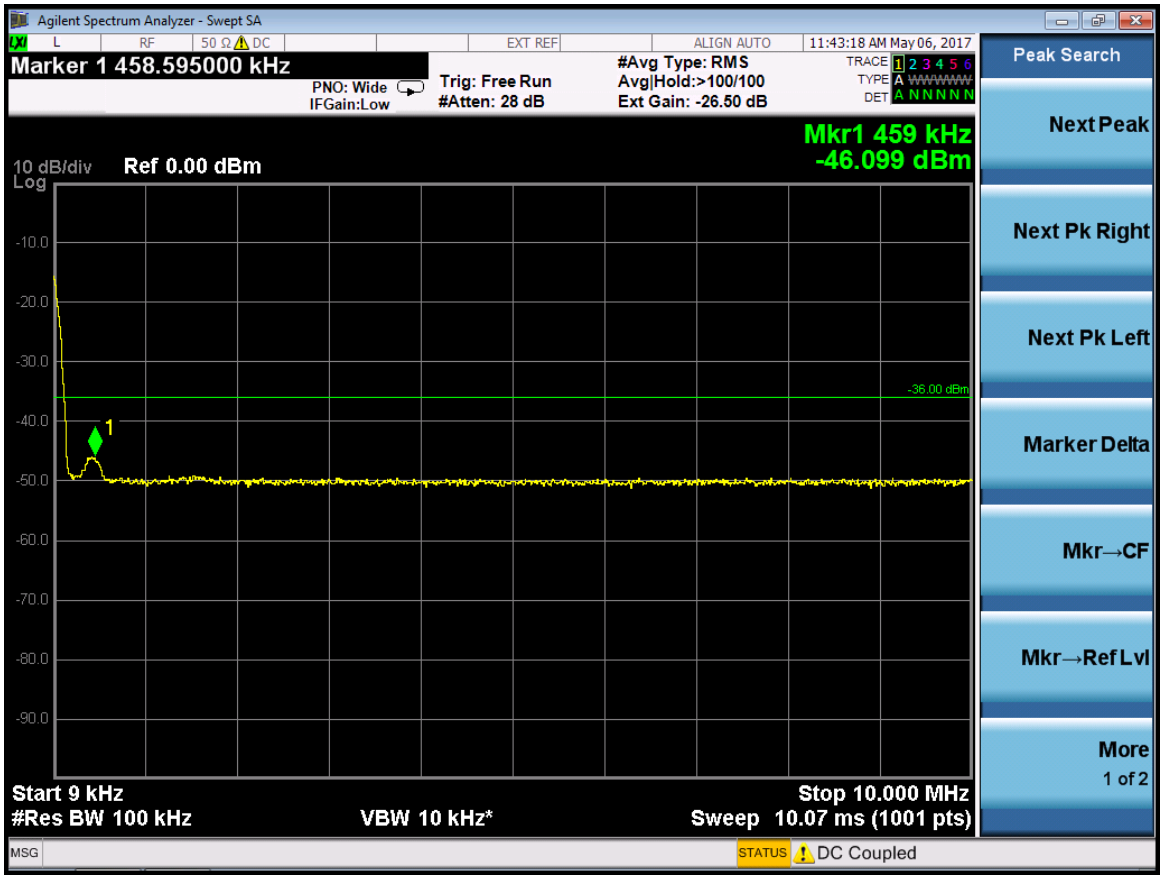
RF 20M(LTE 20M) -Port 0-884MHz

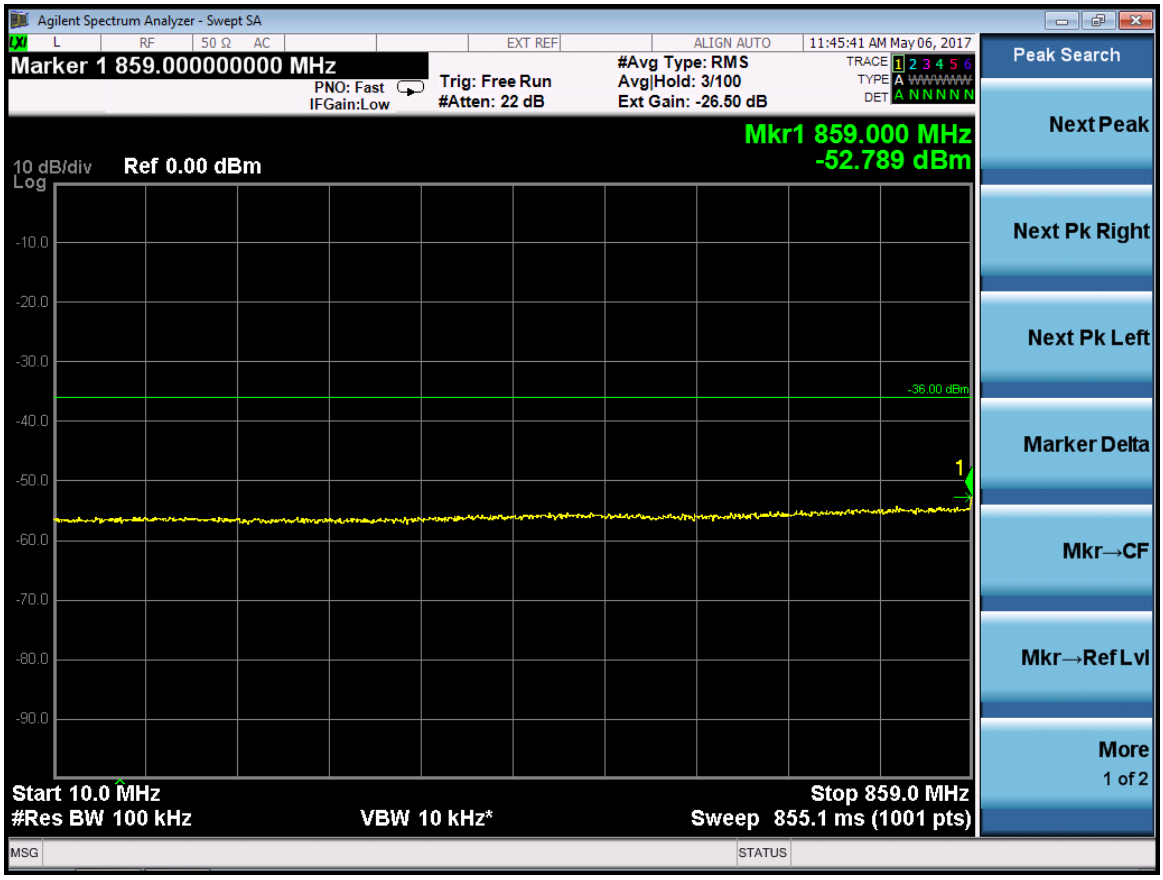

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω DC
EXT REF
ALIGN AUTO
02:50:08 PM May 06, 2017
Input Mech Atten 28 dB
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 28 dB
#Avg Type: RMS
Avg|Hold: 80/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 429 kHz
-45.780 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 9 kHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.07 ms (1001 pts)
Attenuation
Mech Atten
28 dB
Auto
Man
Mech Atten Step
2dB
10dB
Max Mixer Lvl
-10.00 dBm
MSG
STATUS
DC Coupled

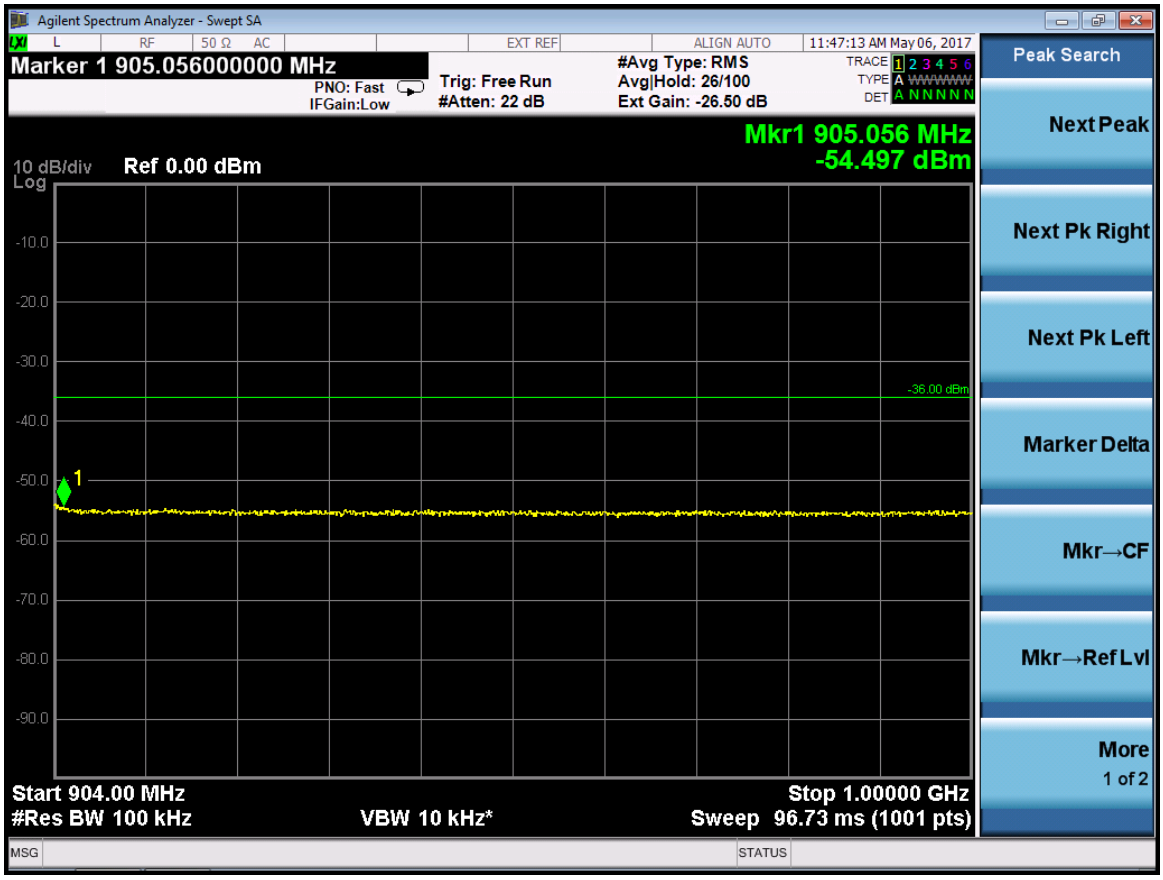

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:48:54 PM May 06, 2017
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 3/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-54.811 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 10.0 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 859.0 MHz
Sweep 855.1 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:47:28 PM May 06, 2017
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-54.542 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 904.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 1.00000 GHz
Sweep 96.73 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

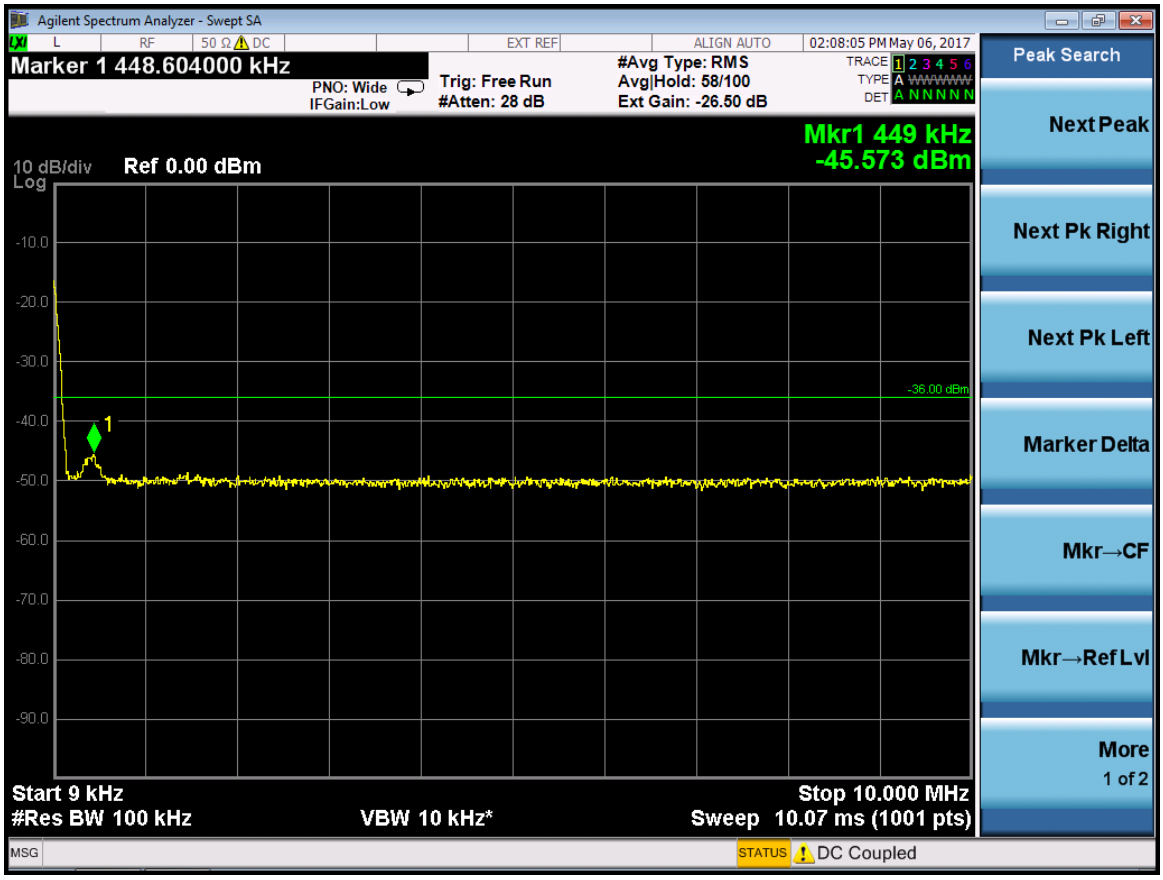
RF 20M(LTE 20M) -Port 1-879MHz

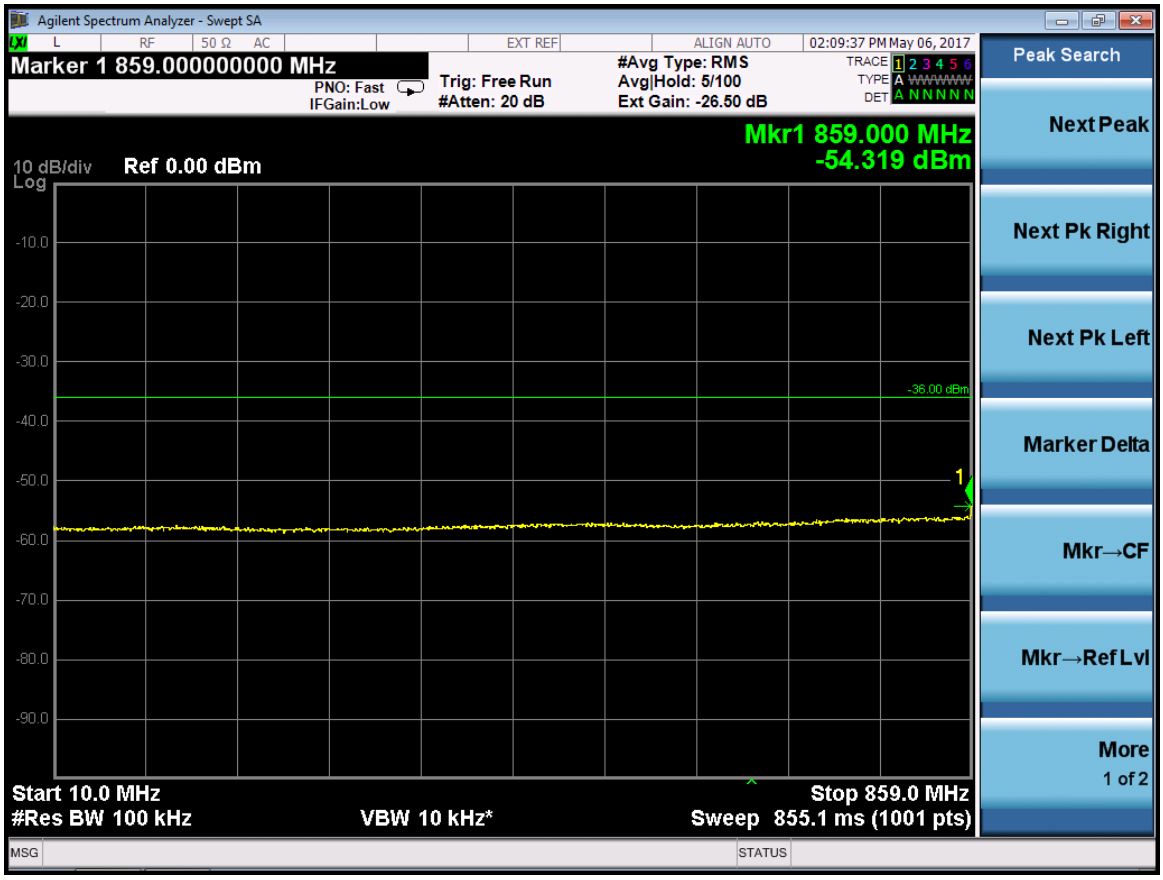

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω DC
EXT REF
ALIGN AUTO
11:43:18 AM May 06, 2017
Marker 1 458.595000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 28 dB
#Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 459 kHz
-46.099 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 9 kHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.07 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

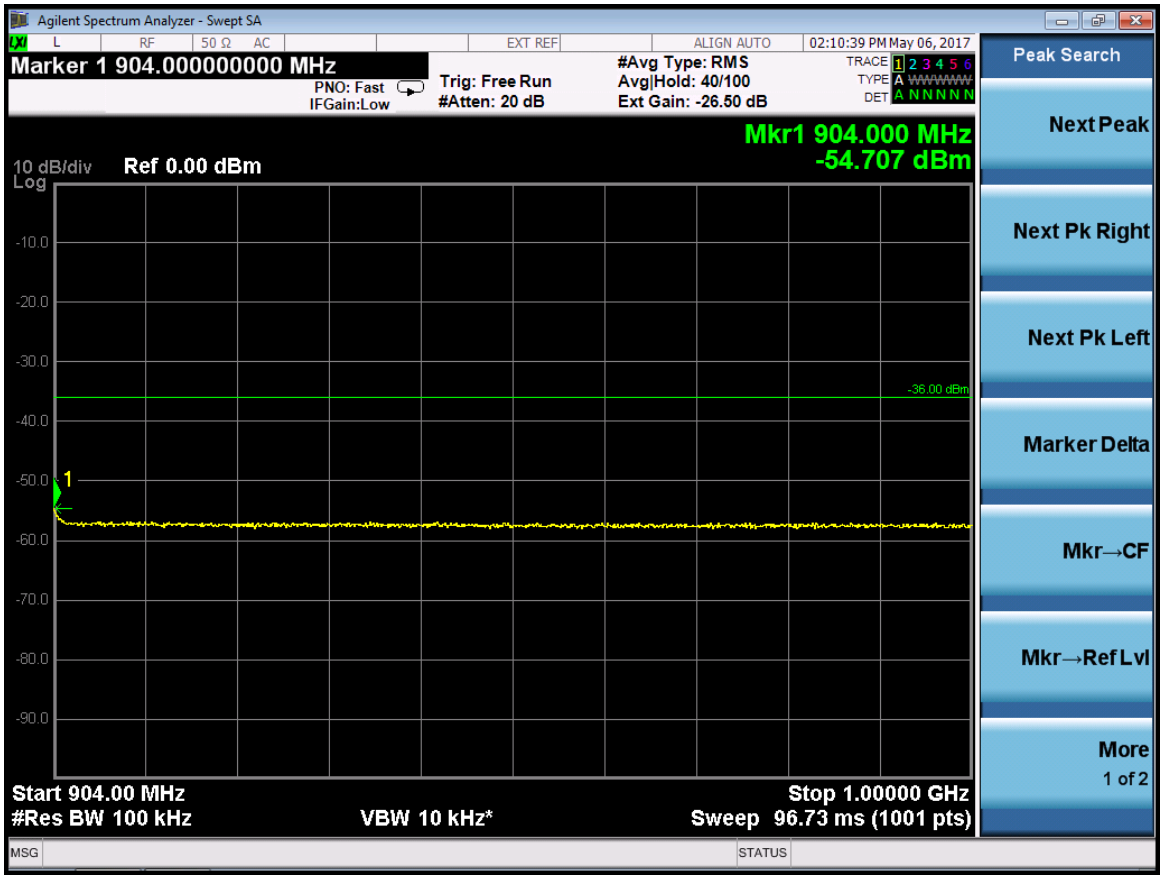

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
11:45:41 AM May 06, 2017
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 22 dB
#Avg Type: RMS
Avg|Hold: 3/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-52.789 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 10.0 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 859.0 MHz
Sweep 855.1 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

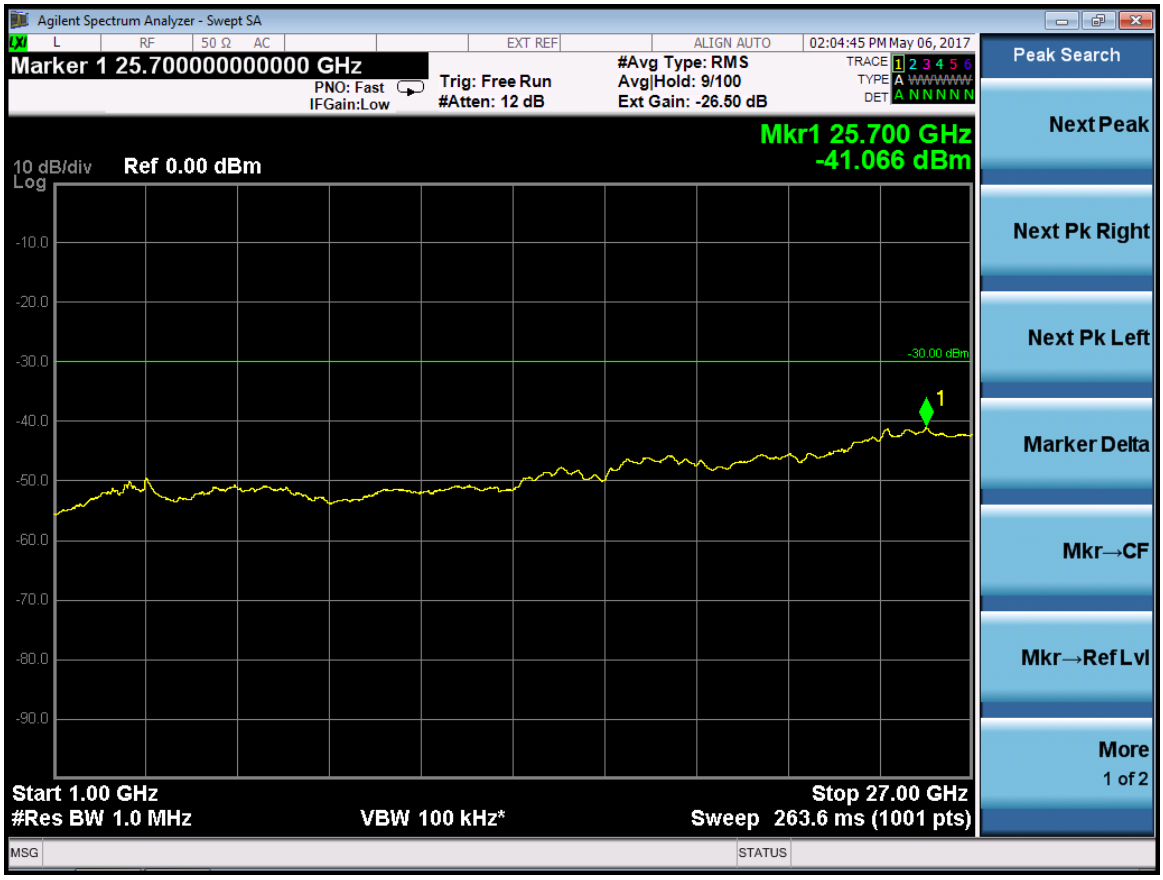

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
11:47:13 AM May 06, 2017
Marker 1 905.056000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 22 dB
#Avg Type: RMS
Avg|Hold: 26/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 905.056 MHz
-54.497 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 904.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 1.00000 GHz
Sweep 96.73 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

RF 20M(LTE 20M) -Port 1-881.5MHz

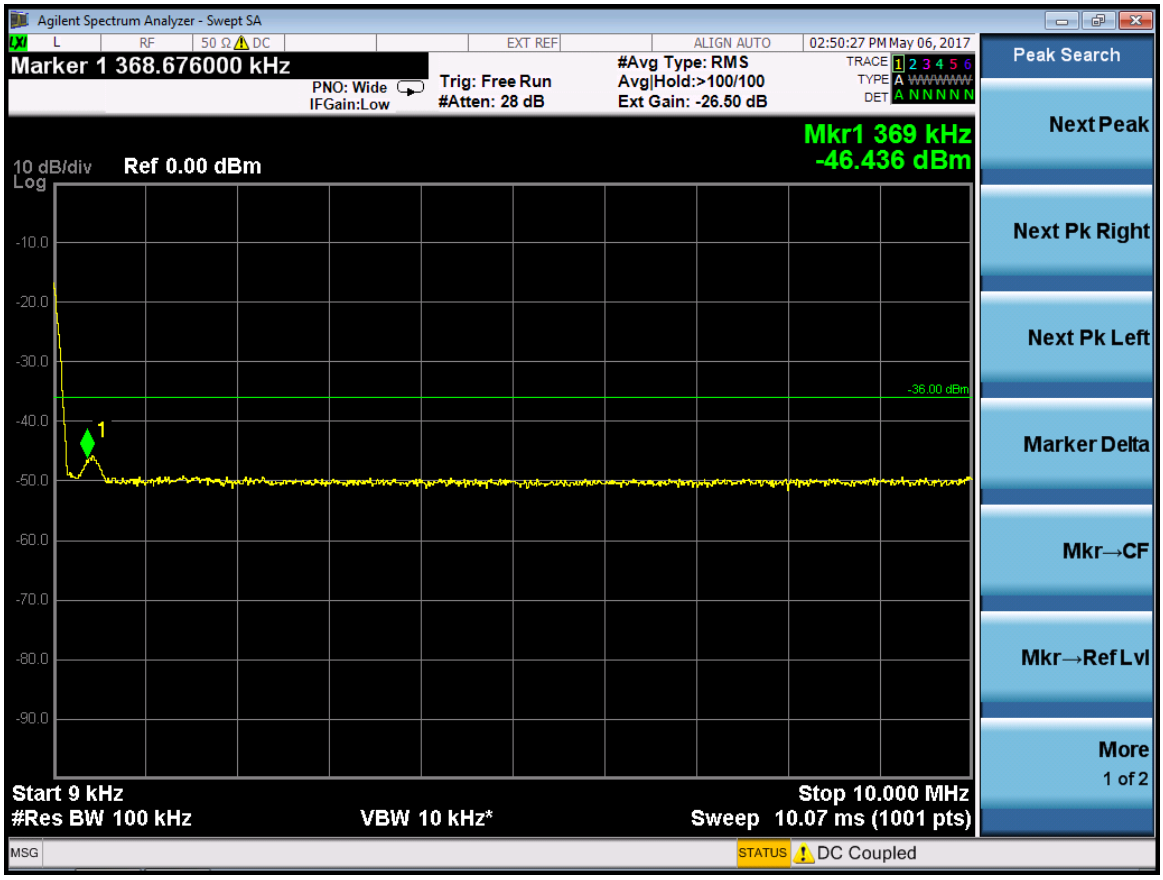

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω DC
EXT REF
ALIGN AUTO
02:08:05 PM May 06, 2017
Marker 1 448.604000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 28 dB
#Avg Type: RMS
Avg|Hold: 58/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 449 kHz
-45.573 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 9 kHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.07 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

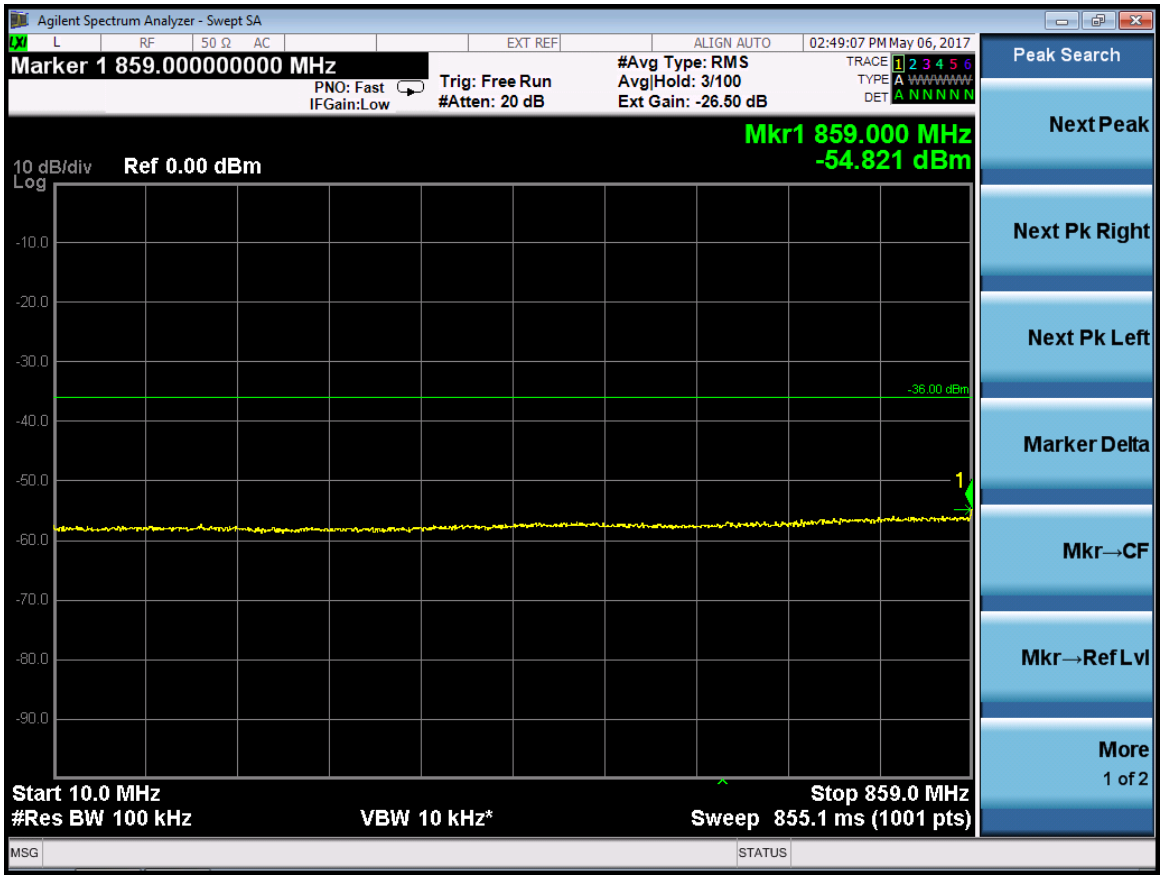

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:09:37 PM May 06, 2017
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 5/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-54.319 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 10.0 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 859.0 MHz
Sweep 855.1 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

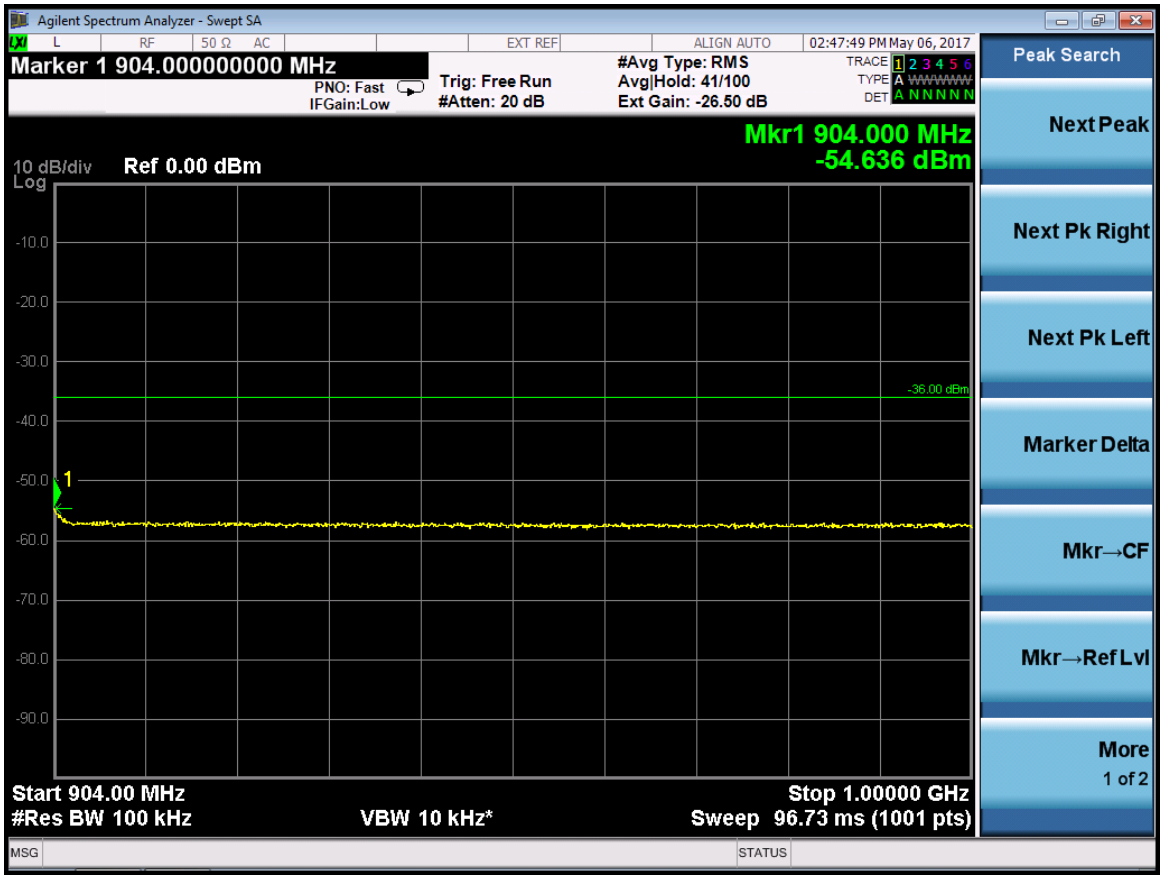

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:10:39 PM May 06, 2017
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 40/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-54.707 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 904.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 1.00000 GHz
Sweep 96.73 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2



RF 20M(LTE 20M) -Port 1-884MHz

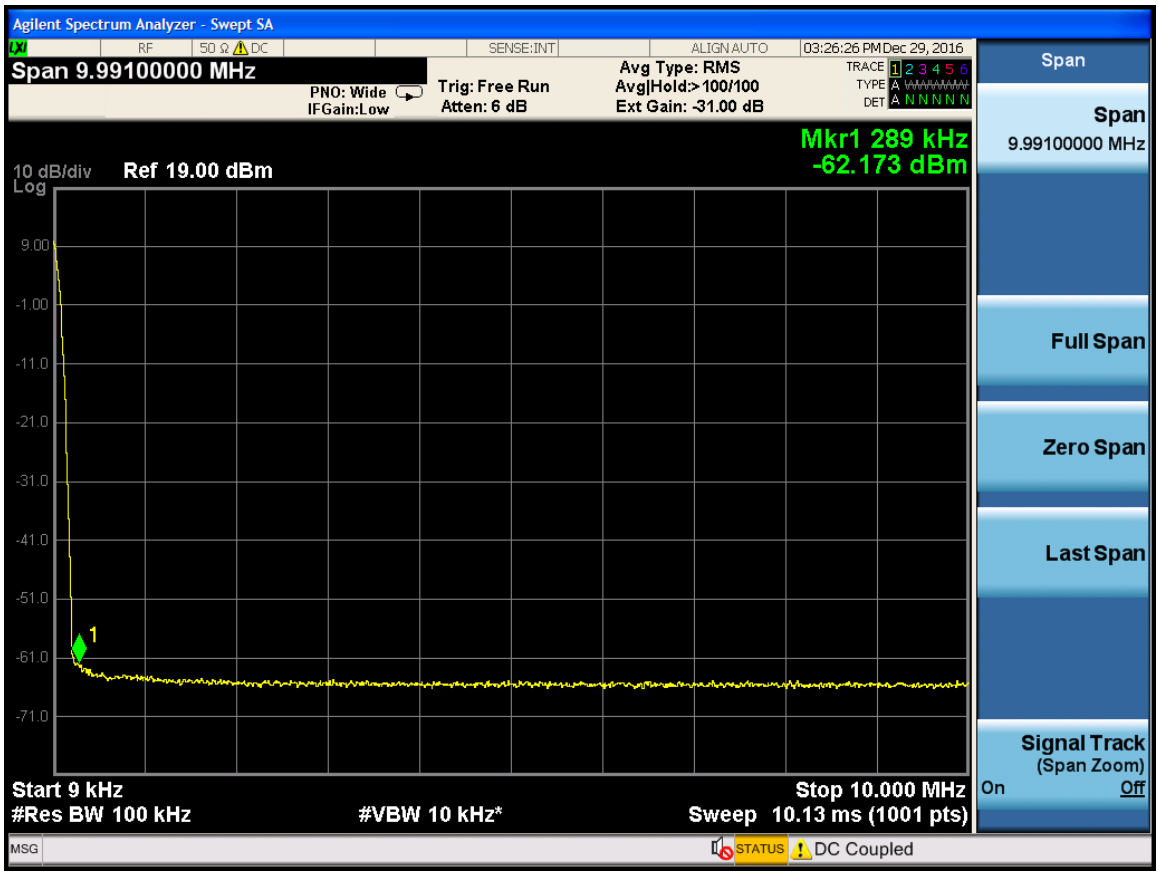

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω DC
EXT REF
ALIGN AUTO
02:50:27 PM May 06, 2017
Marker 1 368.676000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 28 dB
#Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 369 kHz
-46.436 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
-36.00 dBm
1
Start 9 kHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.07 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

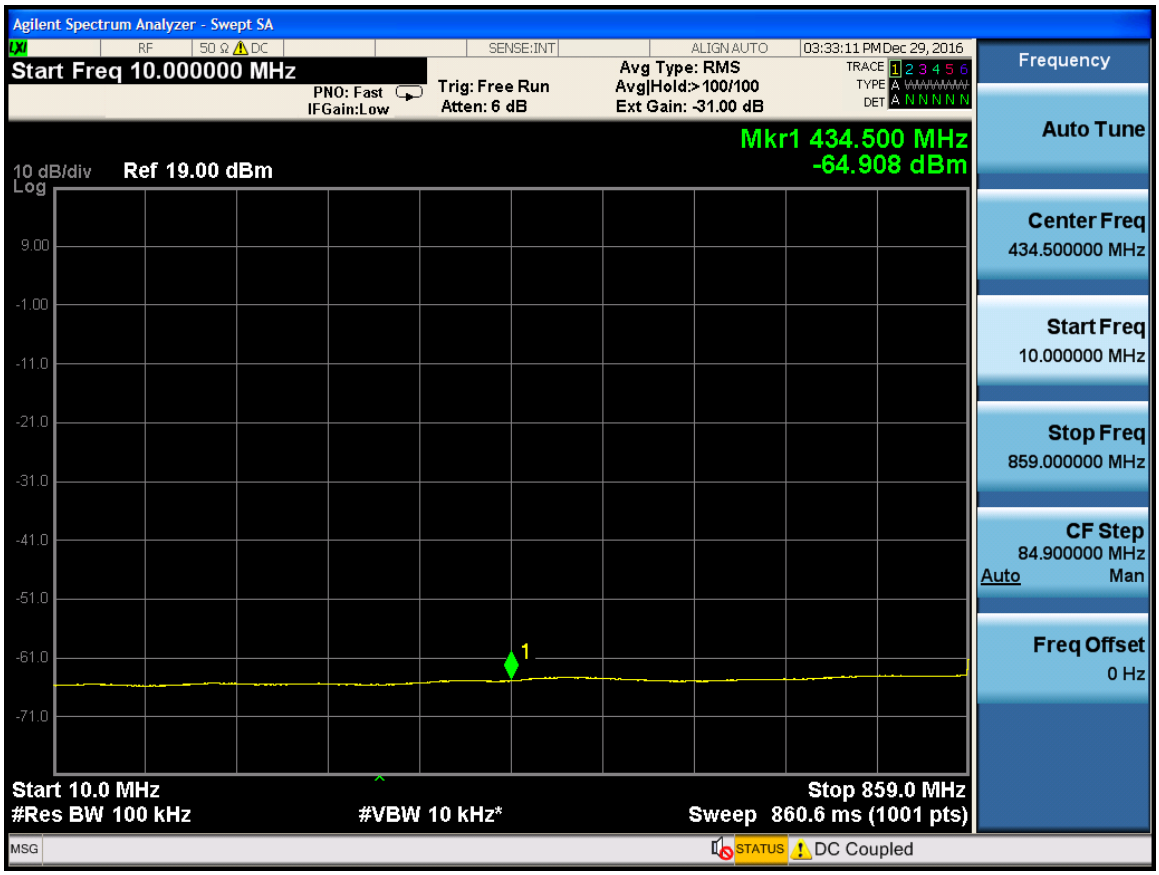

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:49:07 PM May 06, 2017
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 3/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-54.821 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 10.0 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 859.0 MHz
Sweep 855.1 ms (1001 pts)
MSG
STATUS
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

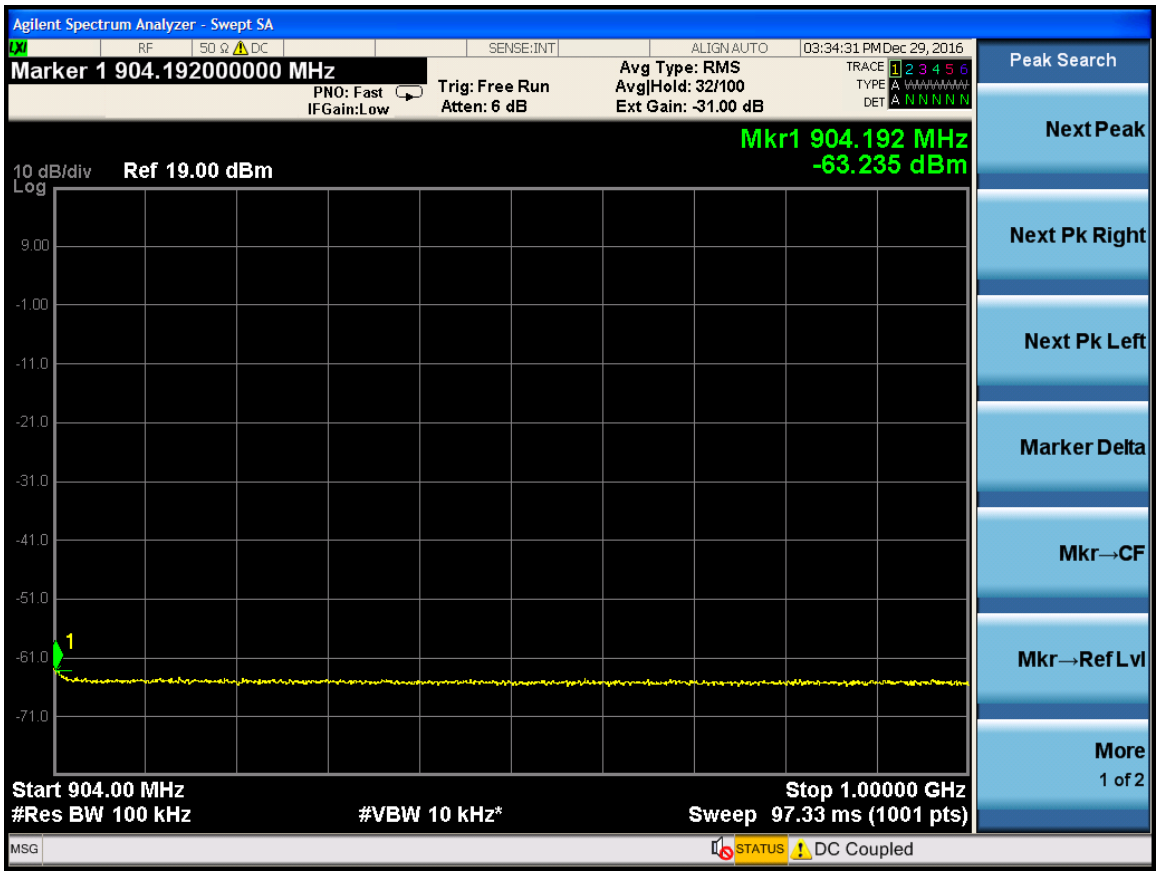

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
EXT REF
ALIGN AUTO
02:47:49 PM May 06, 2017
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 41/100
Ext Gain: -26.50 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-54.636 dBm
10 dB/div
Log
Ref 0.00 dBm
-10.0
-20.0
-30.0
-36.00 dBm
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
Start 904.00 MHz
#Res BW 100 kHz
VBW 10 kHz*
Stop 1.00000 GHz
Sweep 96.73 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

RF15M(LTE 15M) -Port 0-876.5MHz

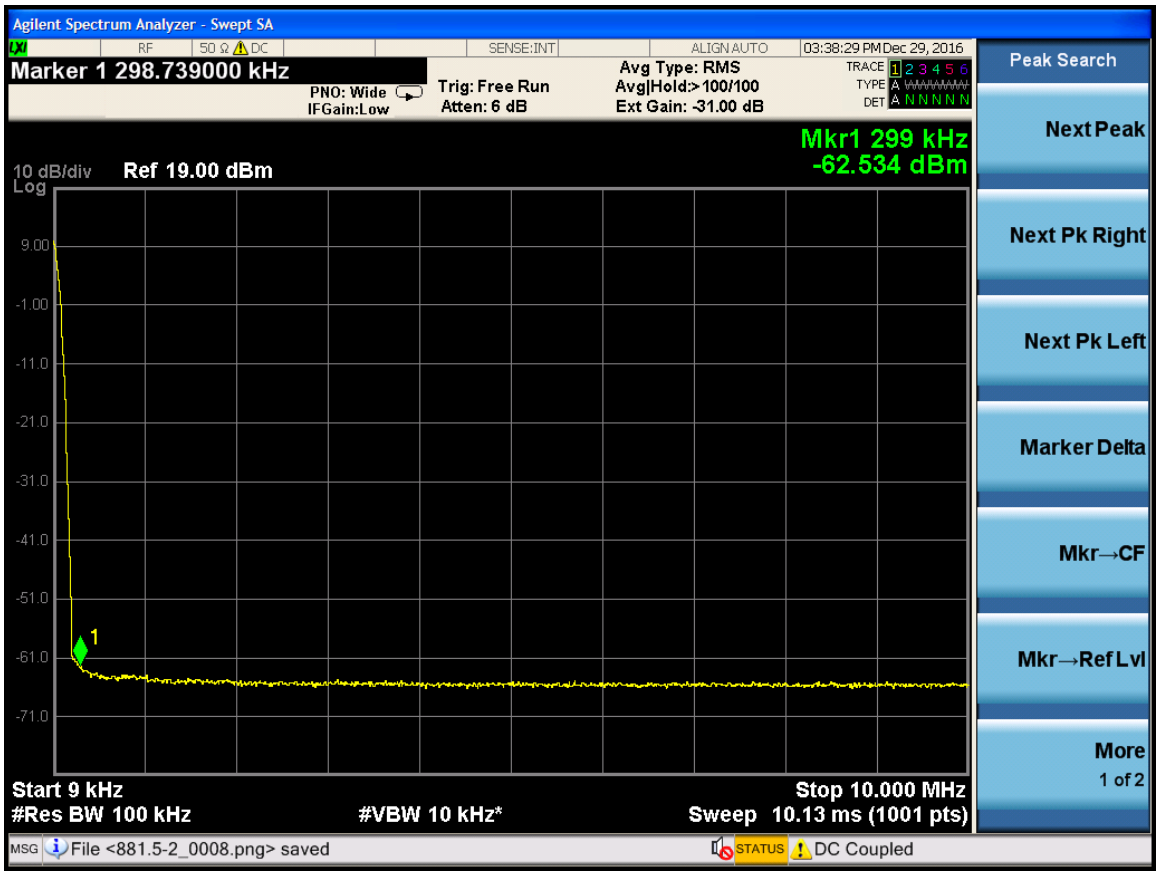
RF 15M (LTE15M) -Port 0 -876.5MHz

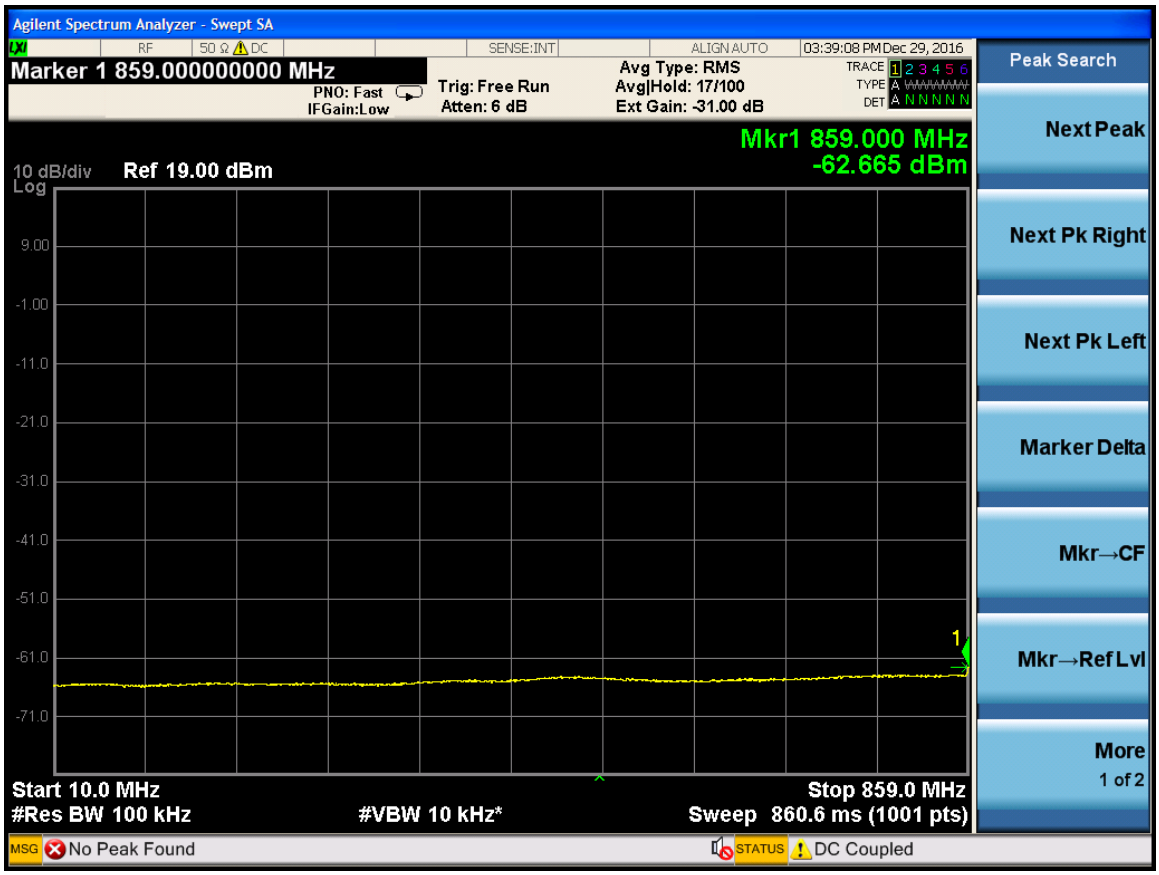

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:26:26 PM Dec 29, 2016
Span 9.99100000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 289 kHz
-62.173 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 9 kHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.13 ms (1001 pts)
MSG
STATUS
DC Coupled
Span
Span
9.99100000 MHz
Full Span
Zero Span
Last Span
Signal Track
(Span Zoom)
On
Off

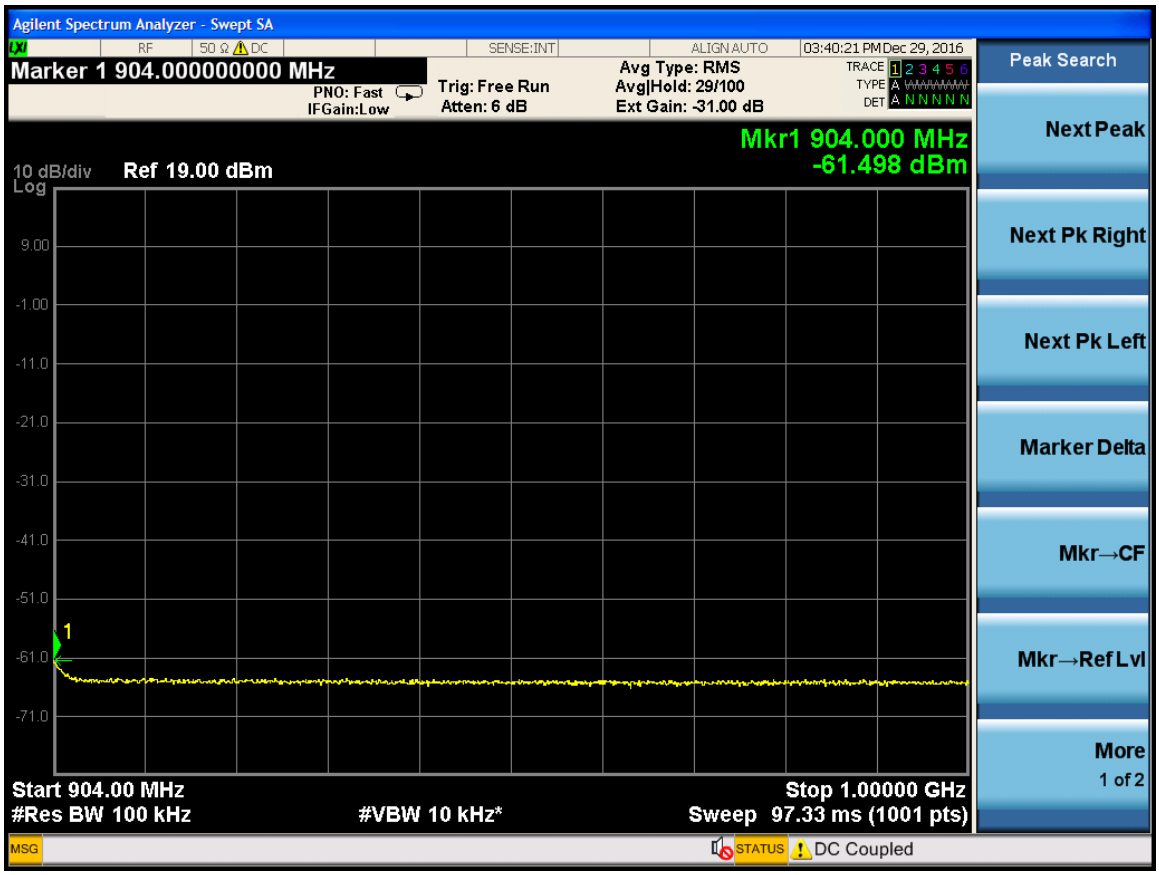

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:33:11 PM Dec 29, 2016
Start Freq 10.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 434.500 MHz
-64.908 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 10.0 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 859.0 MHz
Sweep 860.6 ms (1001 pts)
MSG
STATUS
DC Coupled
Frequency
Auto Tune
Center Freq
434.500000 MHz
Start Freq
10.000000 MHz
Stop Freq
859.000000 MHz
CF Step
84.900000 MHz
Auto
Man
Freq Offset
0 Hz

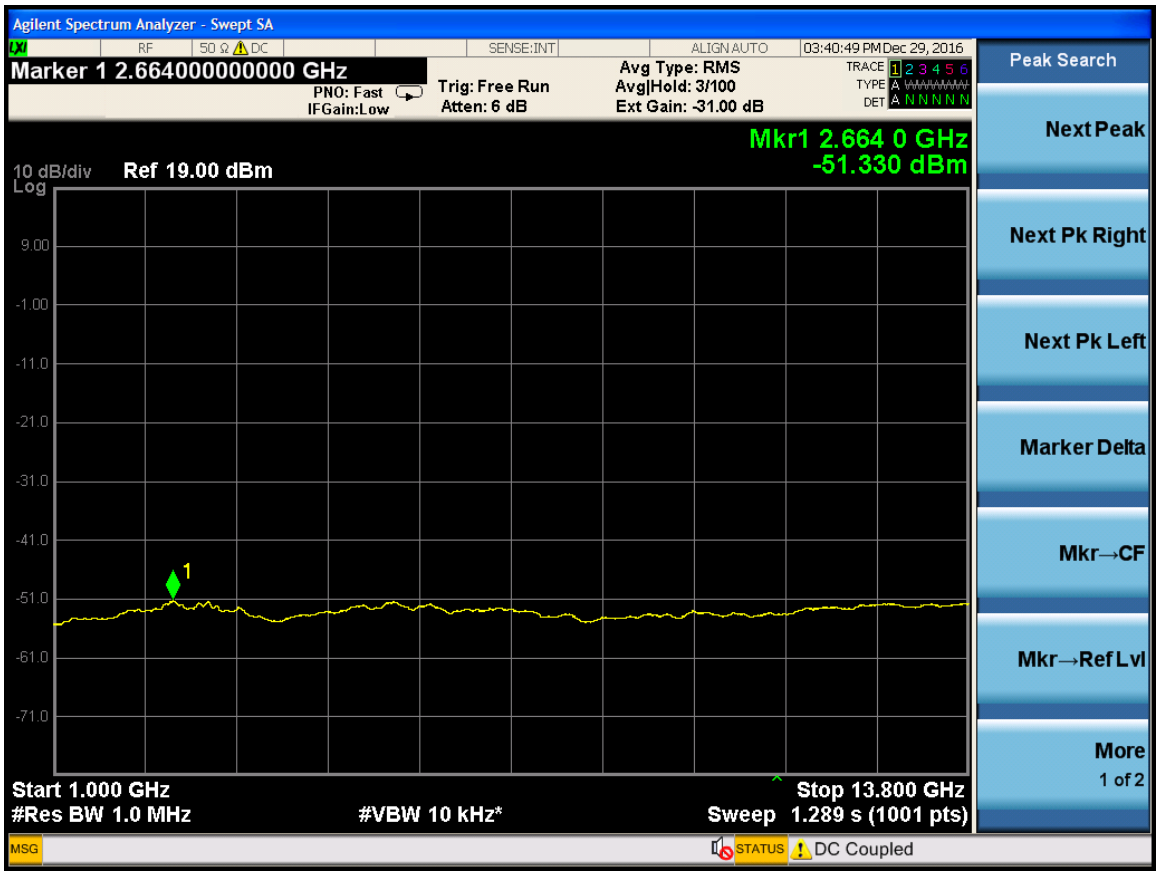

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:34:31 PM Dec 29, 2016
Marker 1 904.192000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 32/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.192 MHz
-63.235 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 904.00 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 1.00000 GHz
Sweep 97.33 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

RF 15M(LTE 15M) -Port 0-881.5MHz

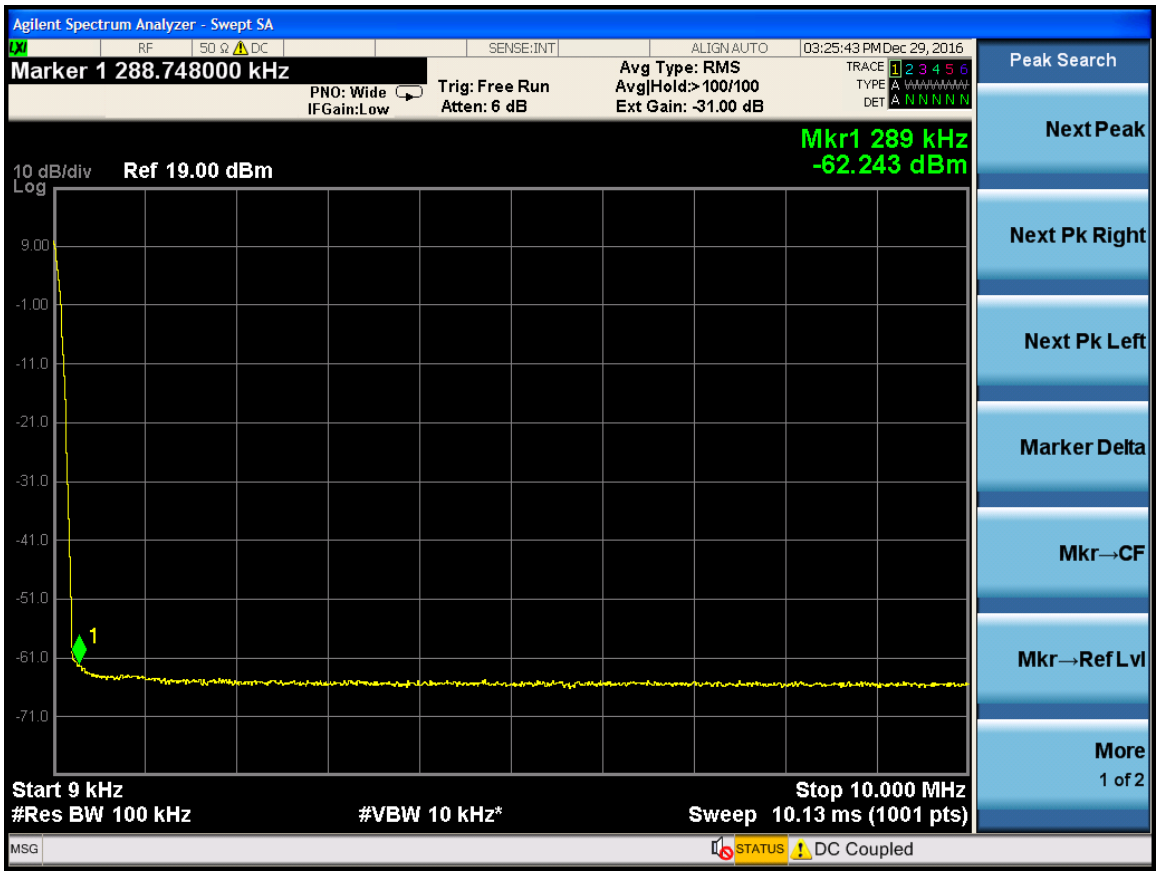

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:38:29 PM Dec 29, 2016
Marker 1 298.739000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 299 kHz
-62.534 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 9 kHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.13 ms (1001 pts)
MSG
File <881.5-2_0008.png> saved
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

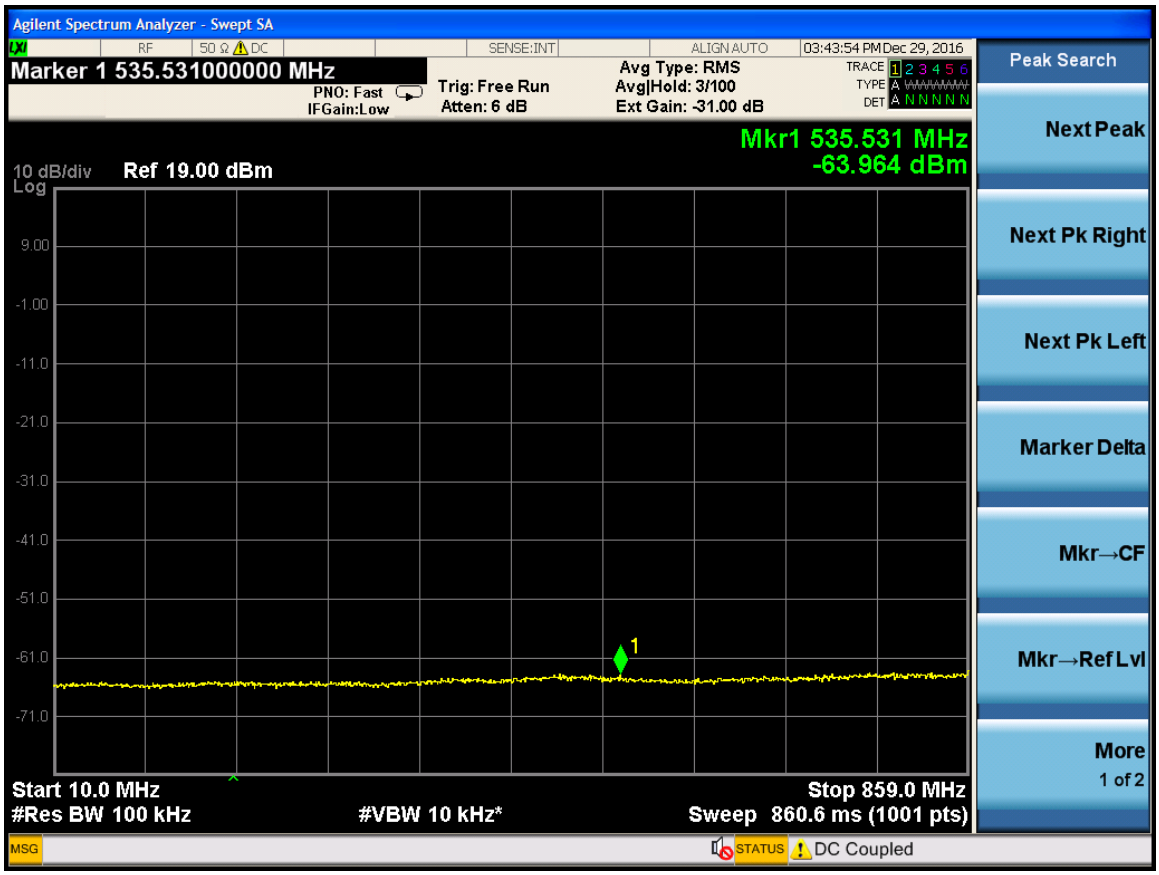

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:39:08 PM Dec 29, 2016
Marker 1 859.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 17/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.000 MHz
-62.665 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 10.0 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 859.0 MHz
Sweep 860.6 ms (1001 pts)
MSG
No Peak Found
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

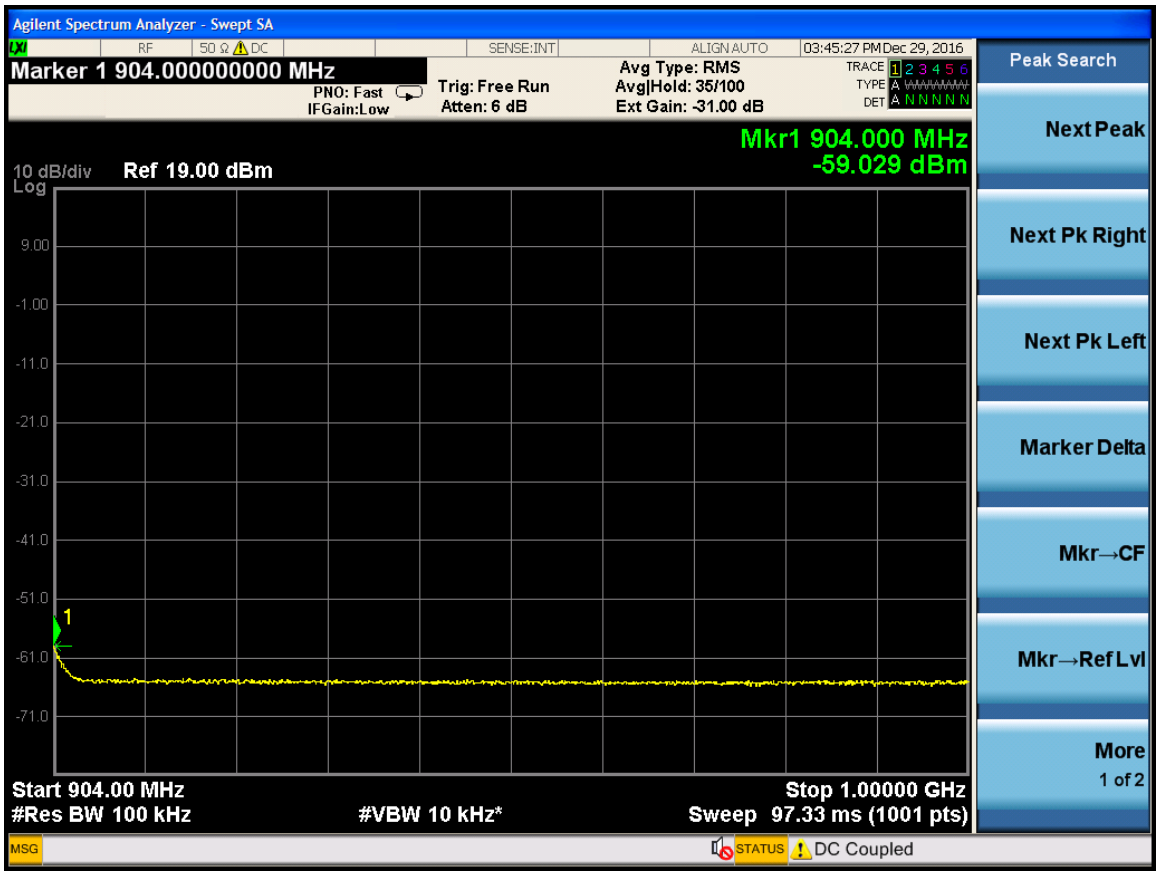

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:40:21 PM Dec 29, 2016
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 29/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-61.498 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 904.00 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 1.00000 GHz
Sweep 97.33 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

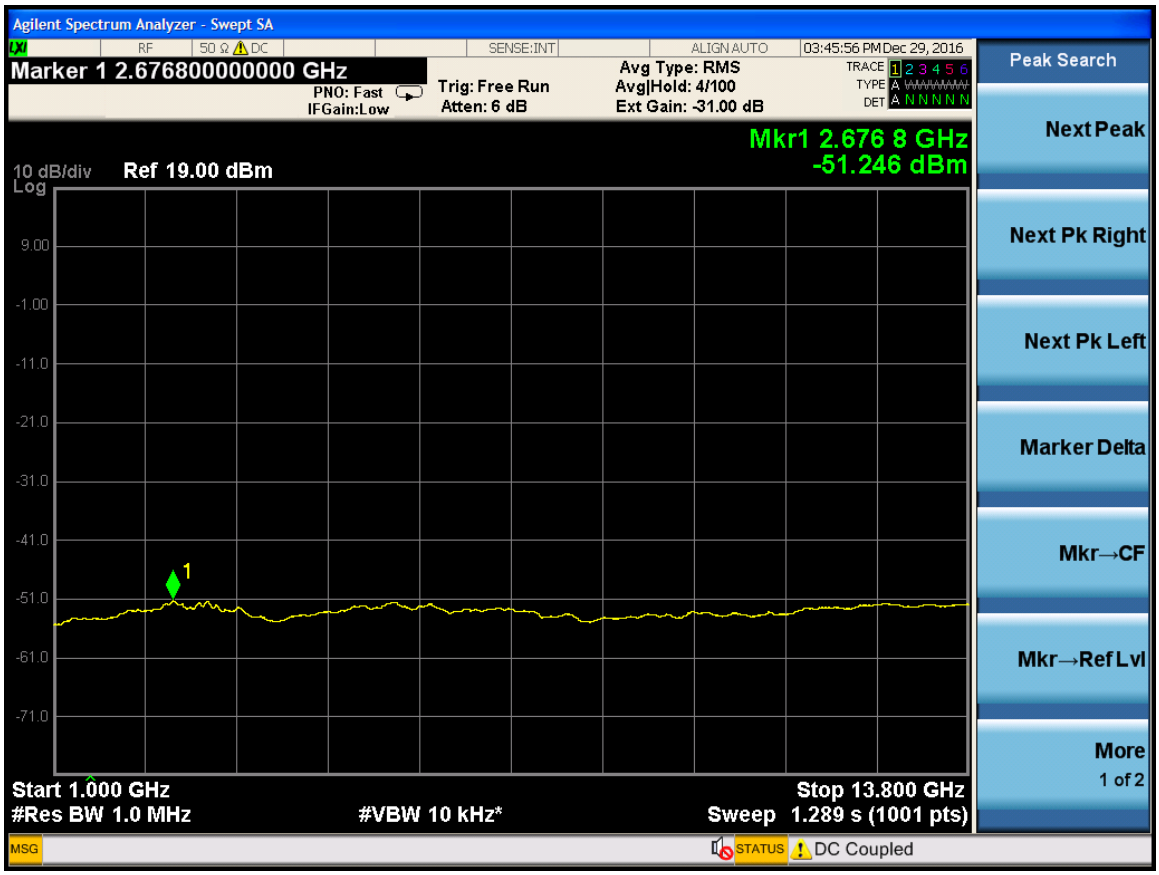


RF 15M(LTE 15M) -Port 0-886.5MHz

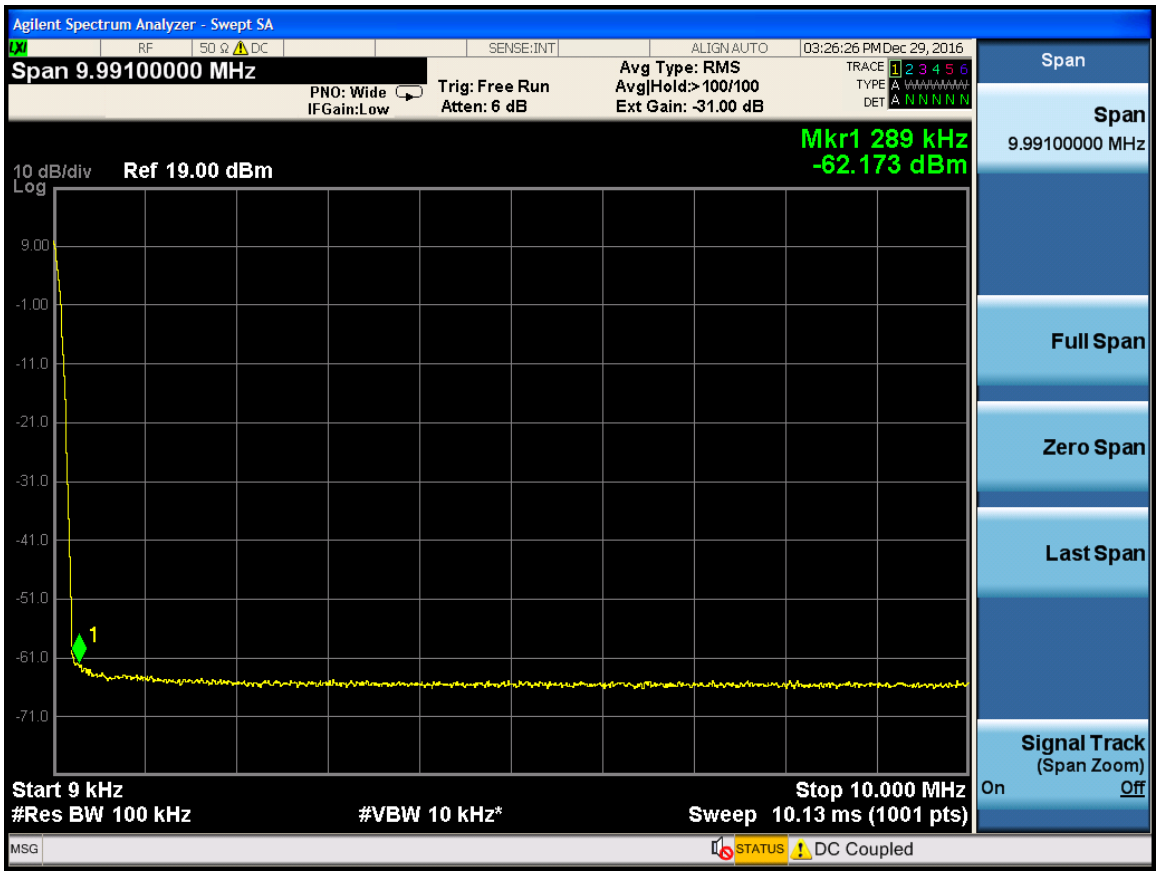

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:25:43 PM Dec 29, 2016
Marker 1 288.748000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 289 kHz
-62.243 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 9 kHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.13 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

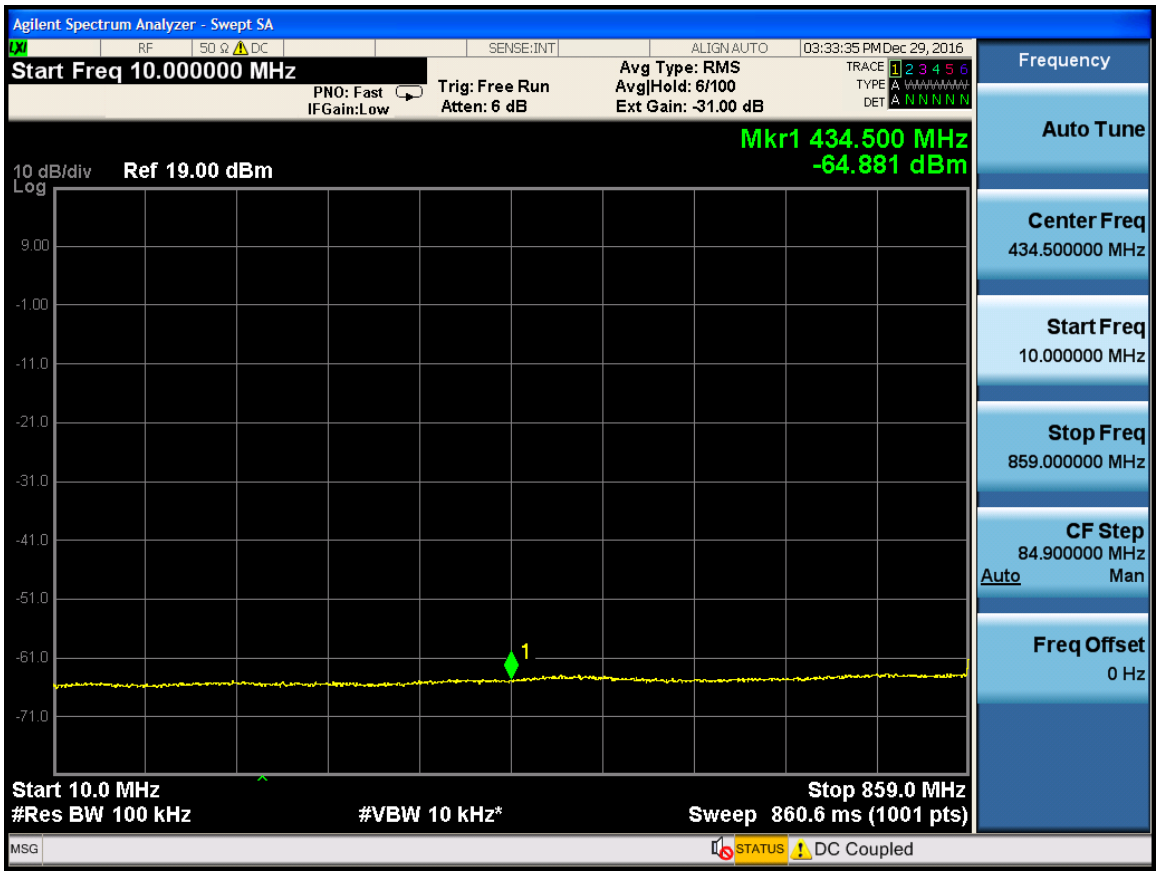

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:43:54 PM Dec 29, 2016
Marker 1 535.531000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 3/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 535.531 MHz
-63.964 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 10.0 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 859.0 MHz
Sweep 860.6 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

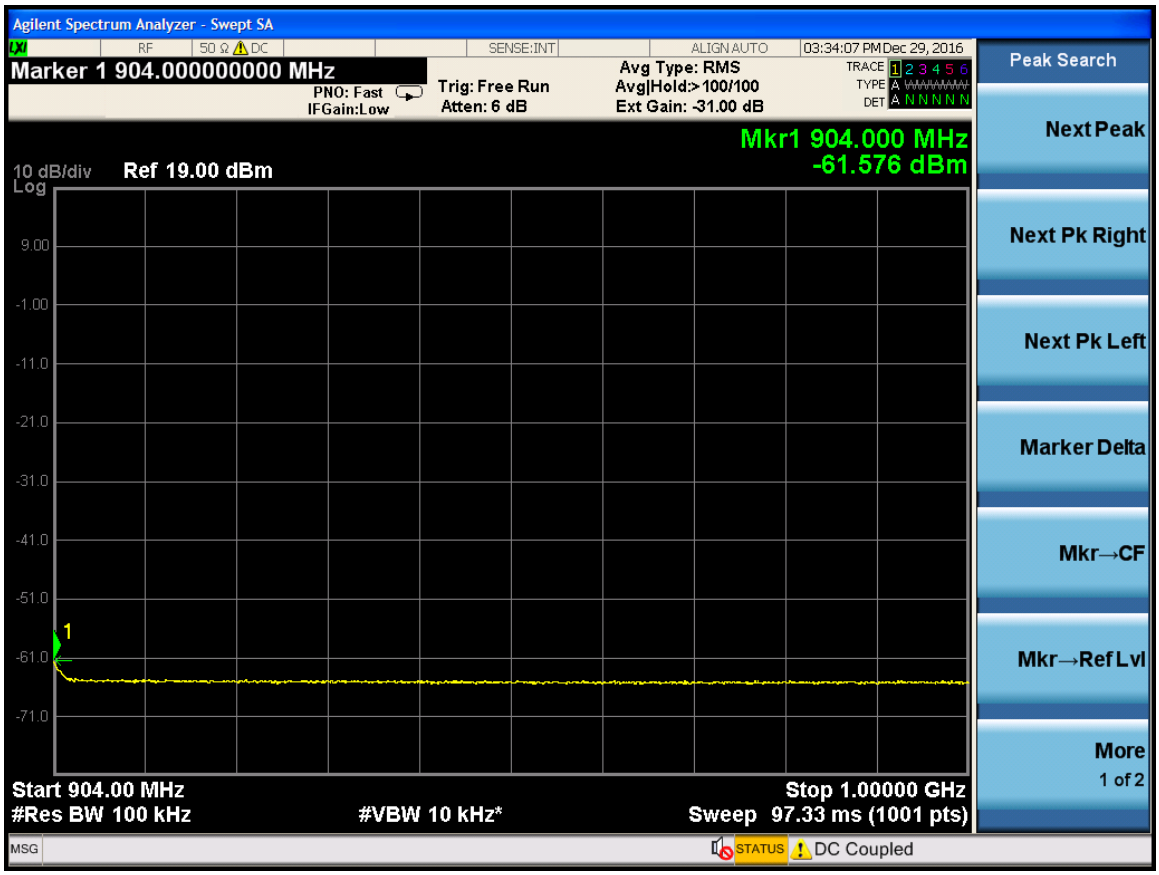

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:45:27 PM Dec 29, 2016
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 35/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-59.029 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 904.00 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 1.00000 GHz
Sweep 97.33 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2



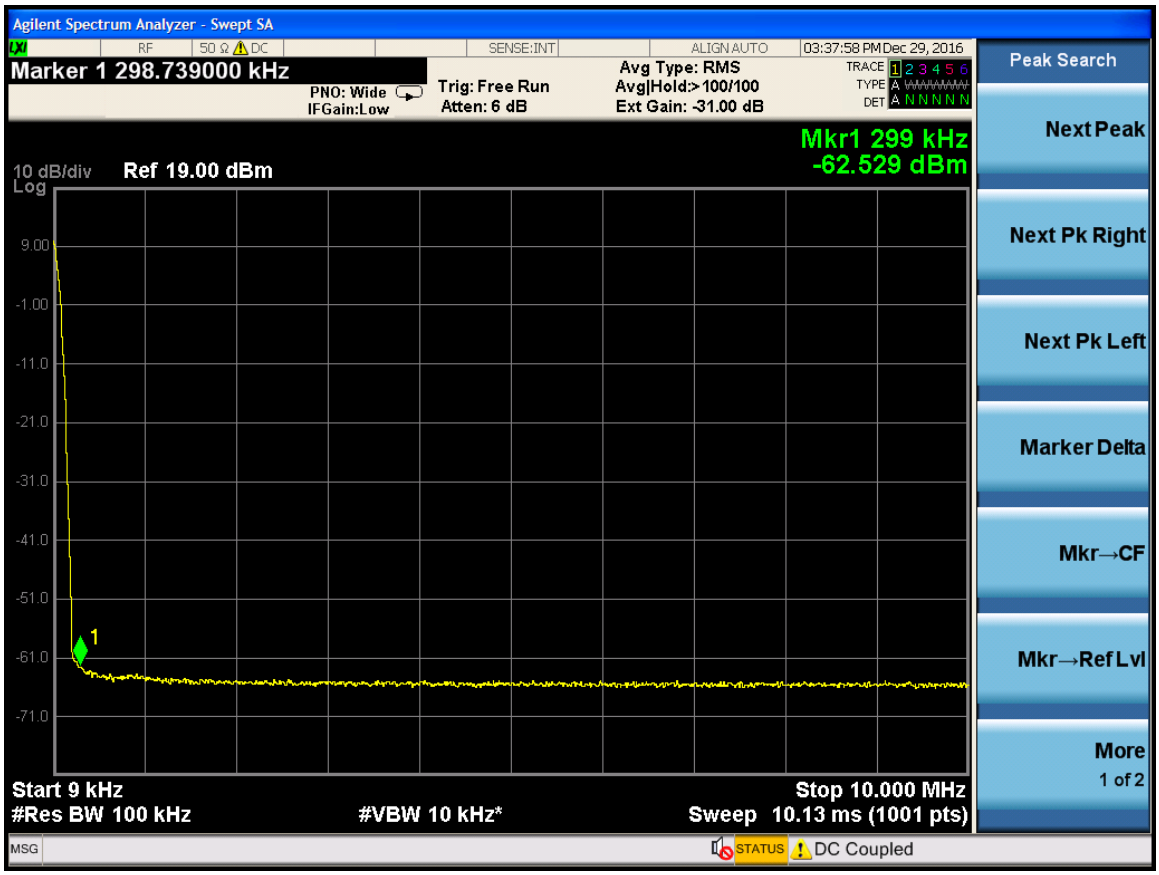
RF15M(LTE 15M) -Port 1-876.5MHz

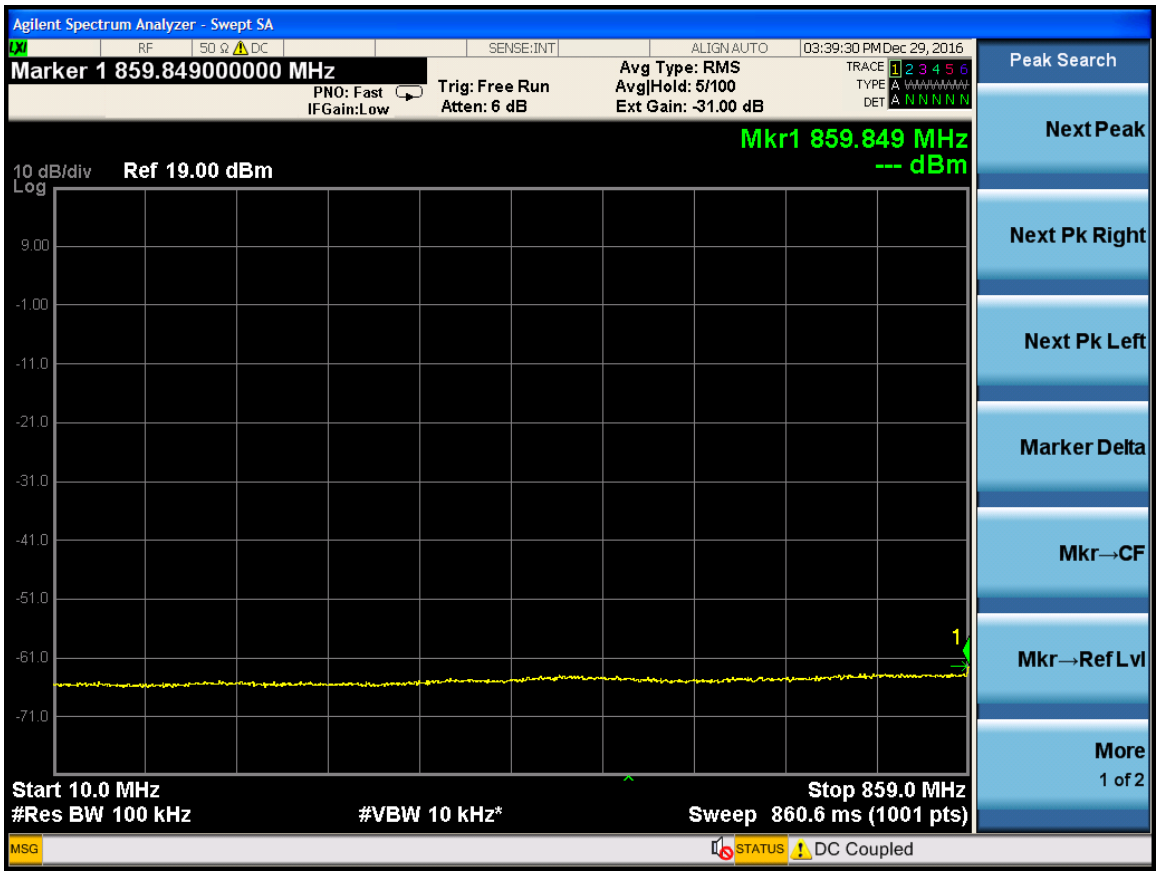

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:26:26 PM Dec 29, 2016
Span 9.99100000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 289 kHz
-62.173 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 9 kHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.13 ms (1001 pts)
MSG
STATUS
DC Coupled
Span
Span
9.99100000 MHz
Full Span
Zero Span
Last Span
Signal Track
(Span Zoom)
On
Off


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:33:35 PM Dec 29, 2016
Start Freq 10.000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 6/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 434.500 MHz
-64.881 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 10.0 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 859.0 MHz
Sweep 860.6 ms (1001 pts)
MSG
STATUS
DC Coupled
Frequency
Auto Tune
Center Freq
434.500000 MHz
Start Freq
10.000000 MHz
Stop Freq
859.000000 MHz
CF Step
84.900000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:34:07 PM Dec 29, 2016
Marker 1 904.000000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 904.000 MHz
-61.576 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 904.00 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 1.00000 GHz
Sweep 97.33 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

RF 15M(LTE 15M) -Port 1-881.5MHz


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:37:58 PM Dec 29, 2016
Marker 1 298.739000 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 299 kHz
-62.529 dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 9 kHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 10.000 MHz
Sweep 10.13 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
03:39:30 PM Dec 29, 2016
Marker 1 859.849000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 6 dB
Avg Type: RMS
Avg|Hold: 5/100
Ext Gain: -31.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 859.849 MHz
--- dBm
10 dB/div
Log
Ref 19.00 dBm
9.00
-1.00
-11.0
-21.0
-31.0
-41.0
-51.0
-61.0
-71.0
1
Start 10.0 MHz
#Res BW 100 kHz
#VBW 10 kHz*
Stop 859.0 MHz
Sweep 860.6 ms (1001 pts)
MSG
STATUS
DC Coupled
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2