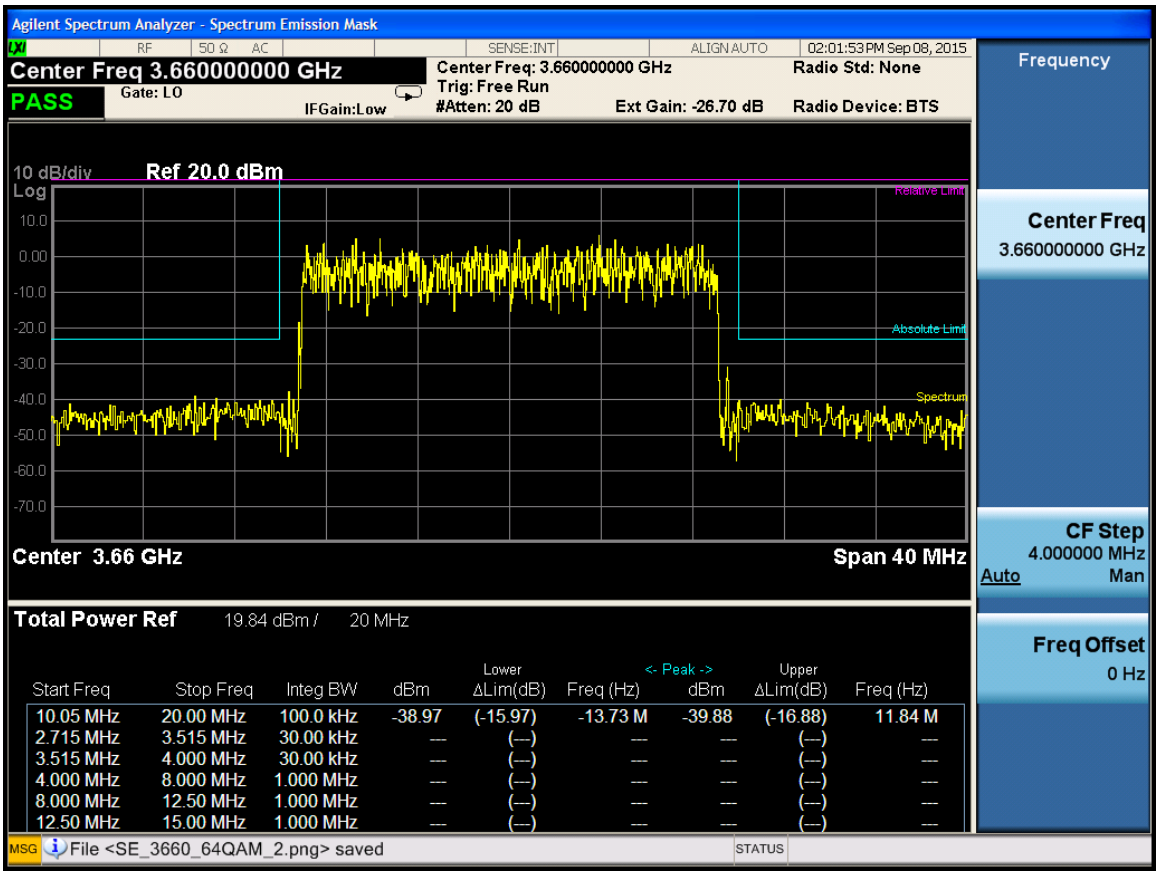
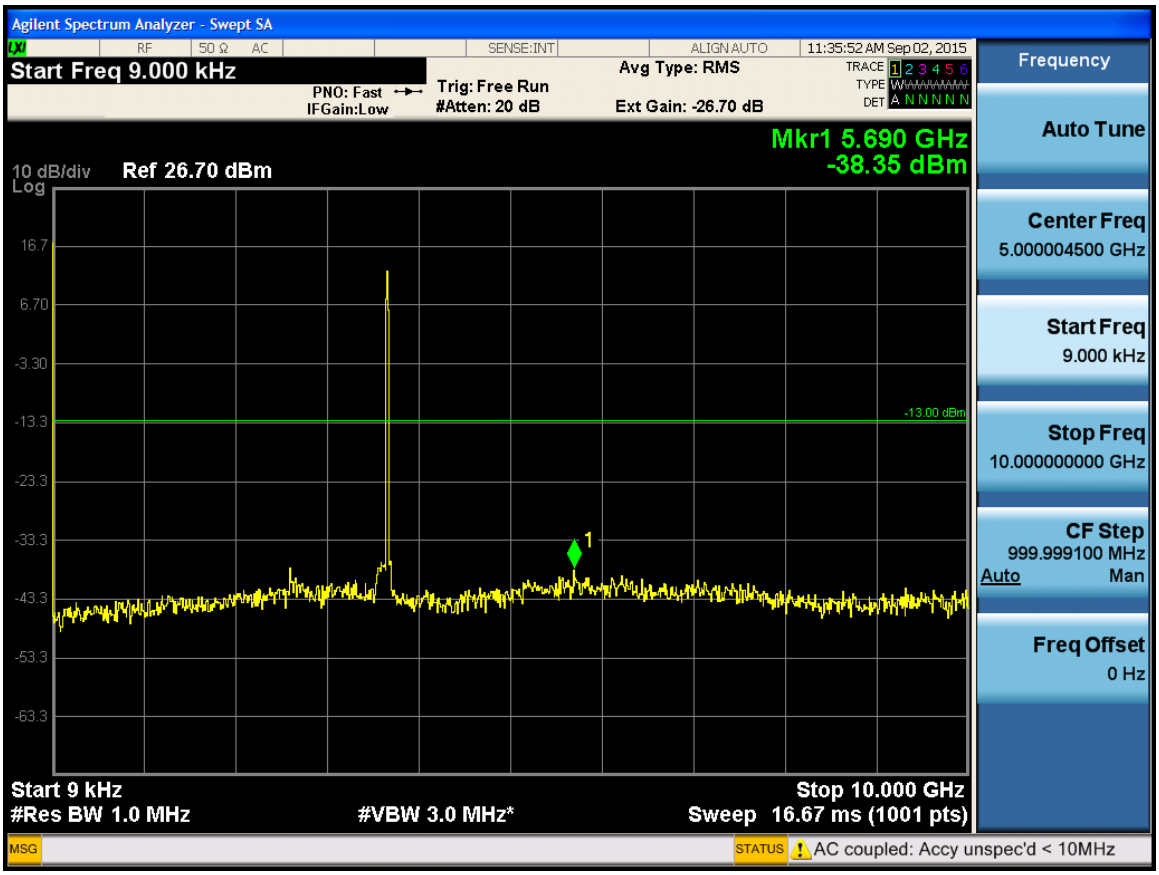
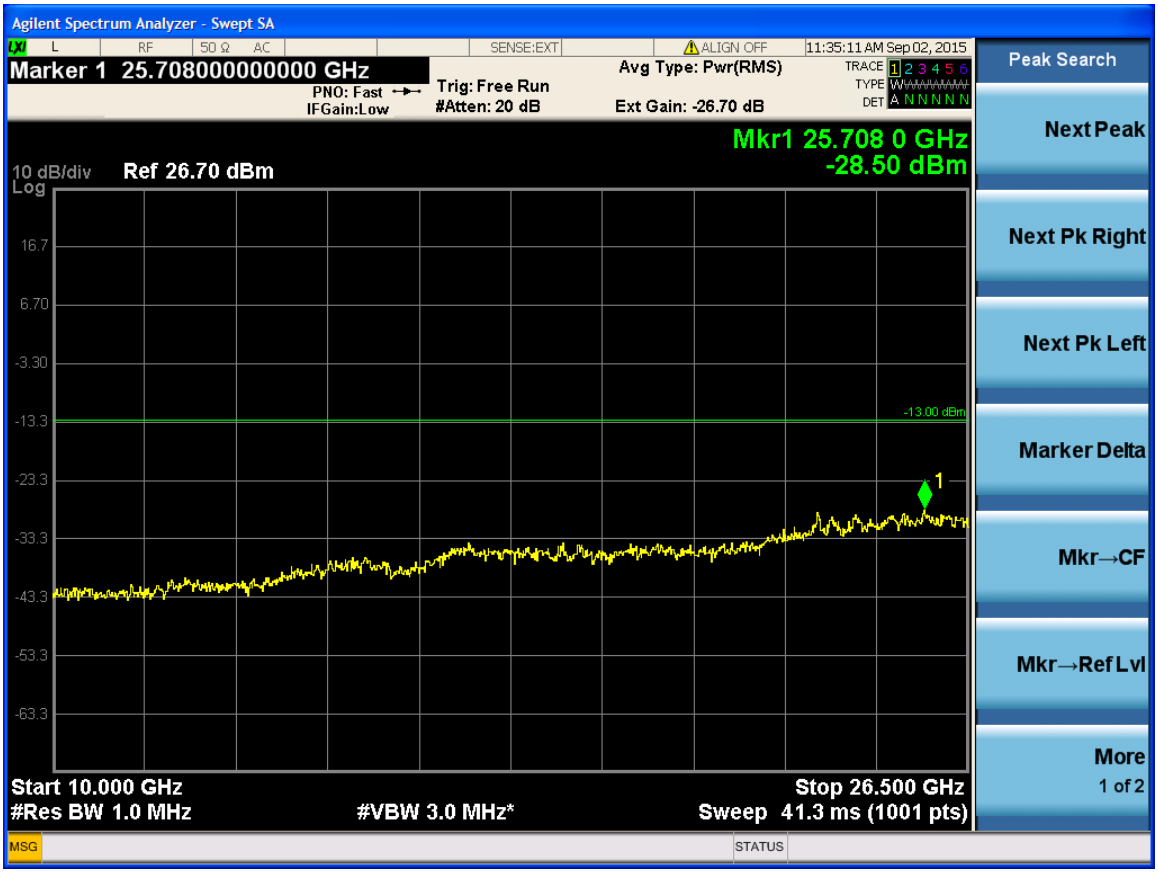
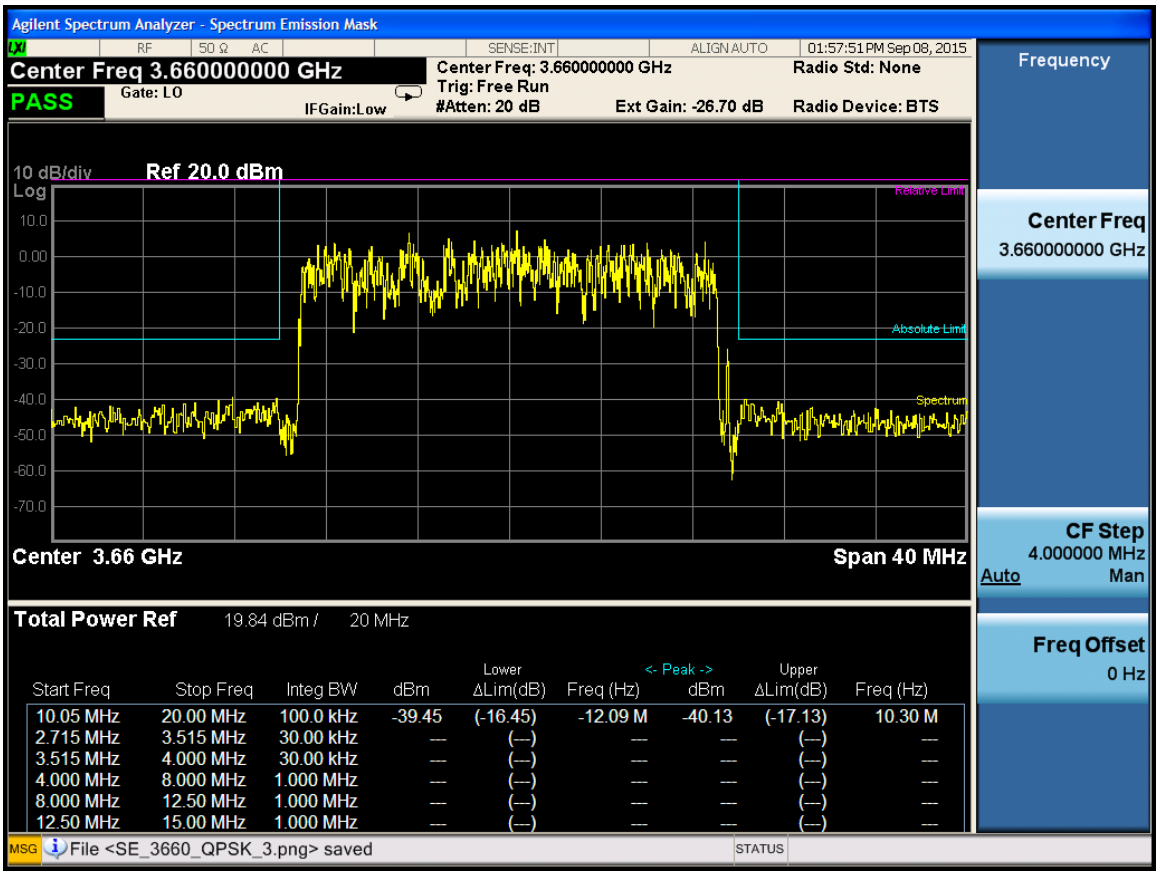
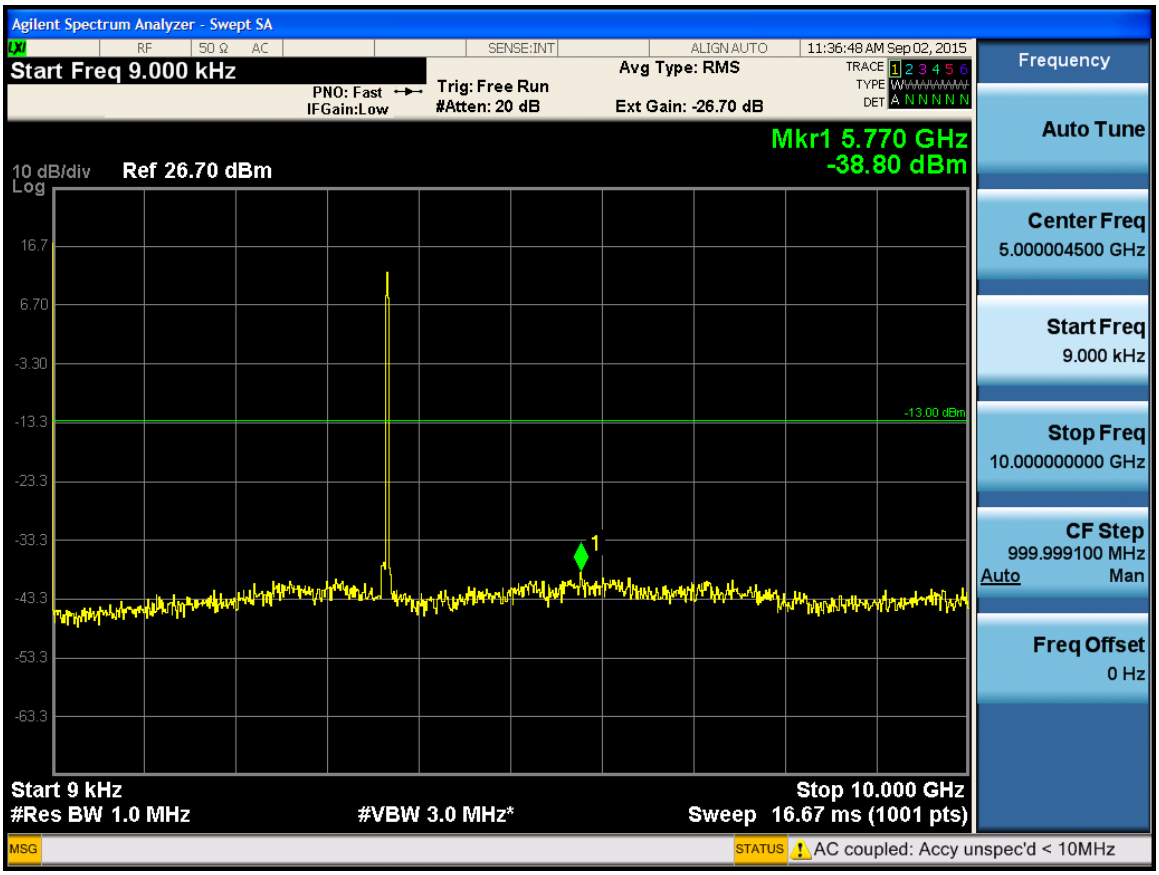
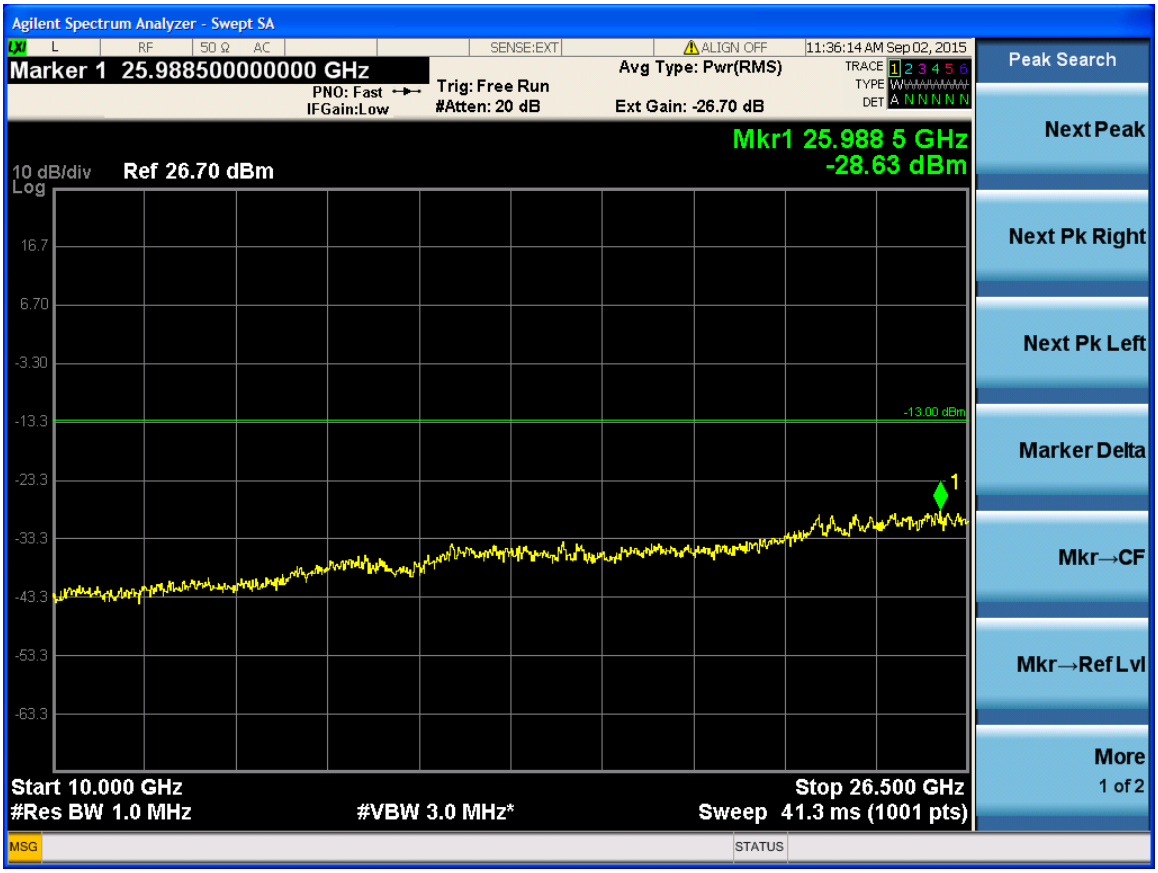

Agilent Spectrum Analyzer - Spectrum Emission Mask
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:01:53 PM Sep 08, 2015
Center Freq 3.660000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.660000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center Freq
3.660000000 GHz
Center 3.66 GHz
Span 40 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
Total Power Ref 19.84 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -38.97 | (-15.97) | -13.73 M | -39.88 | (-16.88) | 11.84 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
MSG
File <SE_3660_64QAM_2.png> saved
STATUS

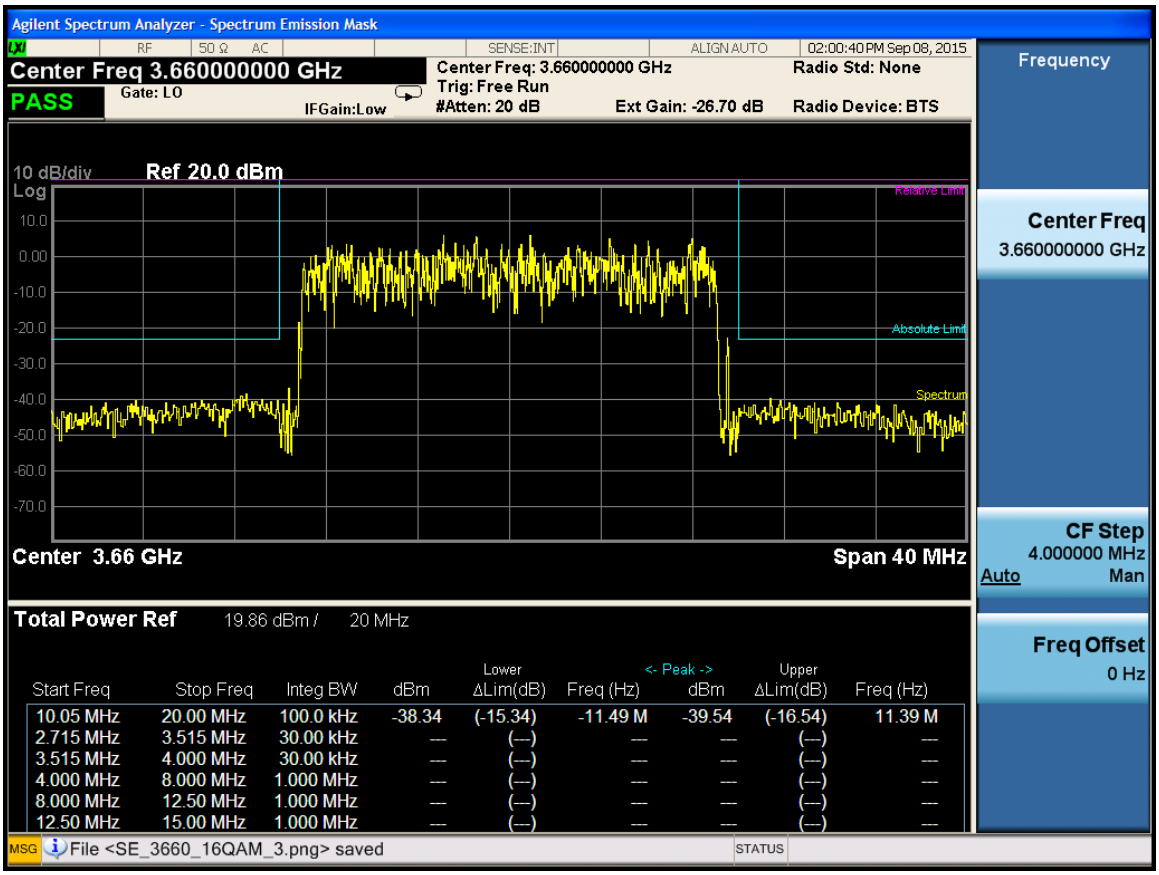

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:35:52 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.690 GHz
-38.35 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

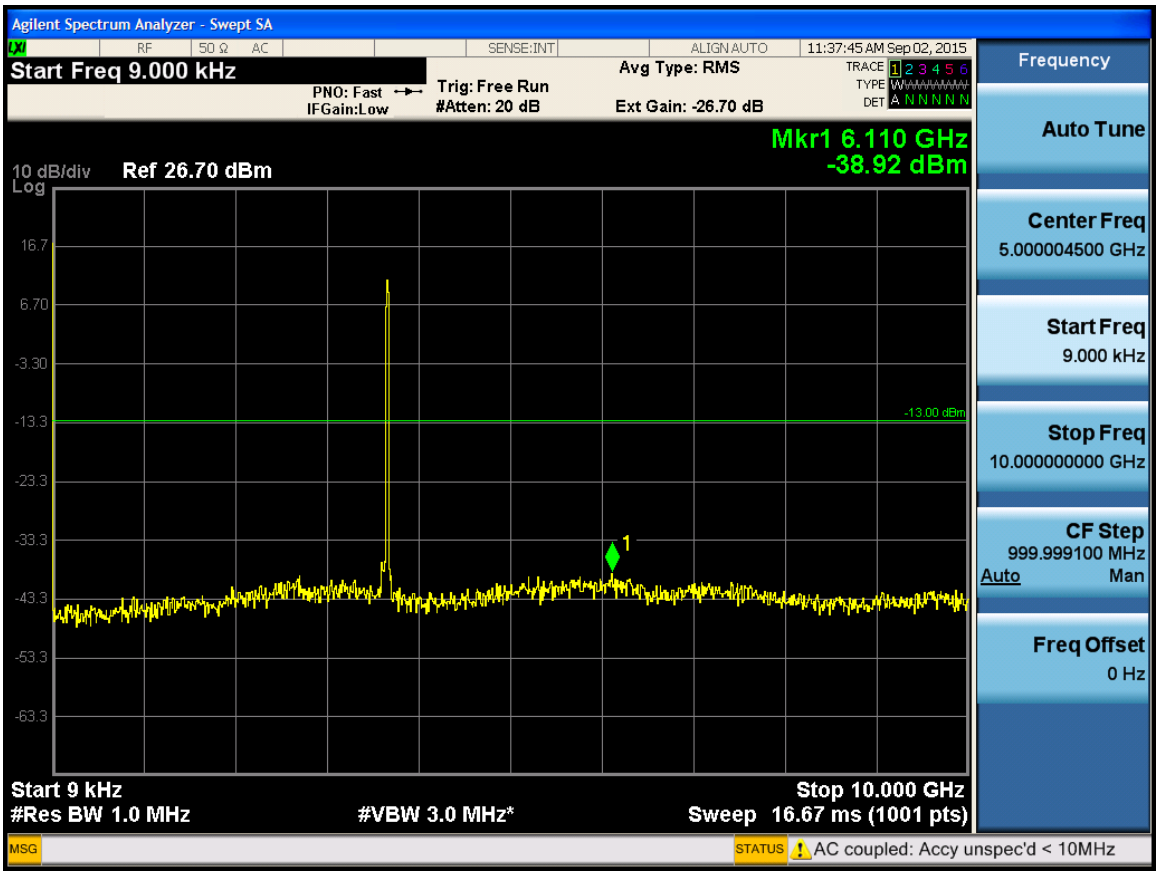

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.708000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:35:11 AM Sep 02, 2015
Mkr1 25.708 0 GHz
-28.50 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

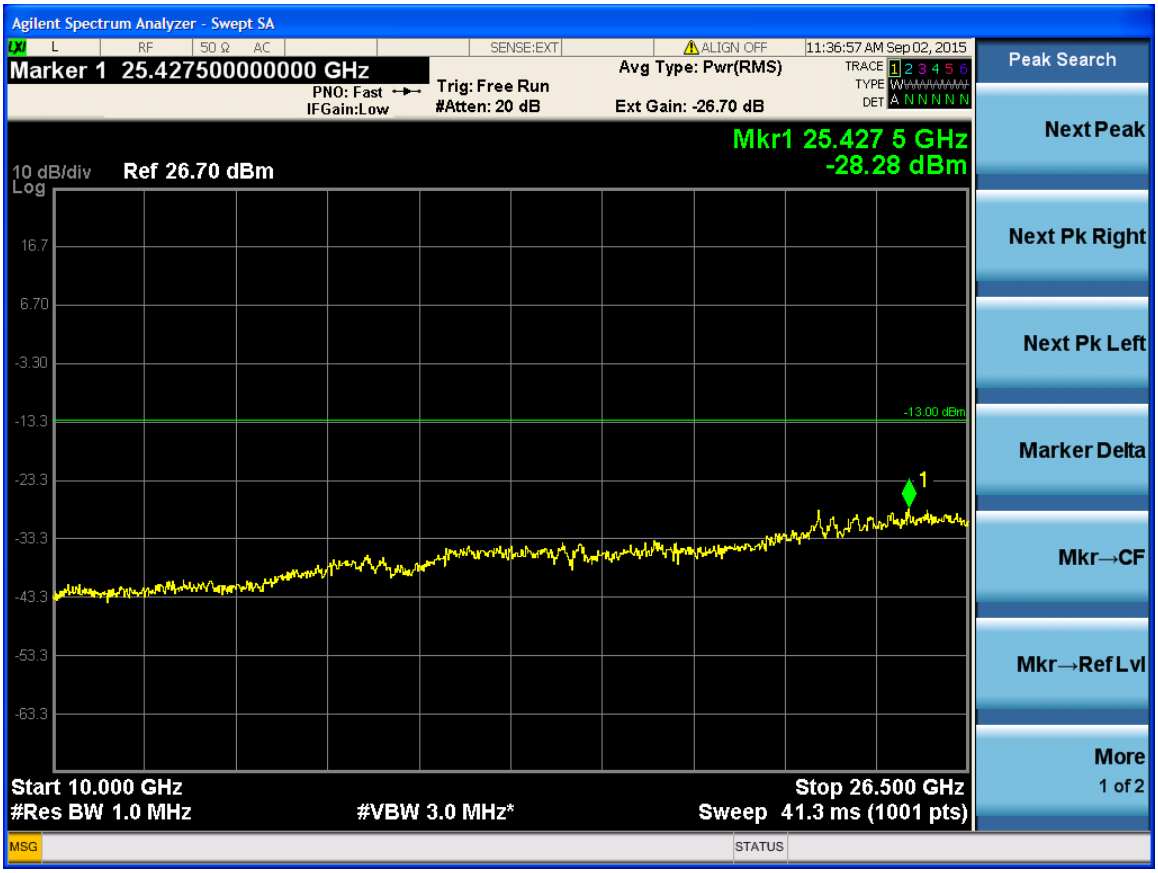

Agilent Spectrum Analyzer - Spectrum Emission Mask
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
01:57:51 PM Sep 08, 2015
Center Freq 3.660000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.660000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.66 GHz
Span 40 MHz
Center Freq
3.660000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
Total Power Ref 19.84 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -39.45 | (-16.45) | -12.09 M | -40.13 | (-17.13) | 10.30 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
MSG
File <SE_3660_QPSK_3.png> saved
STATUS

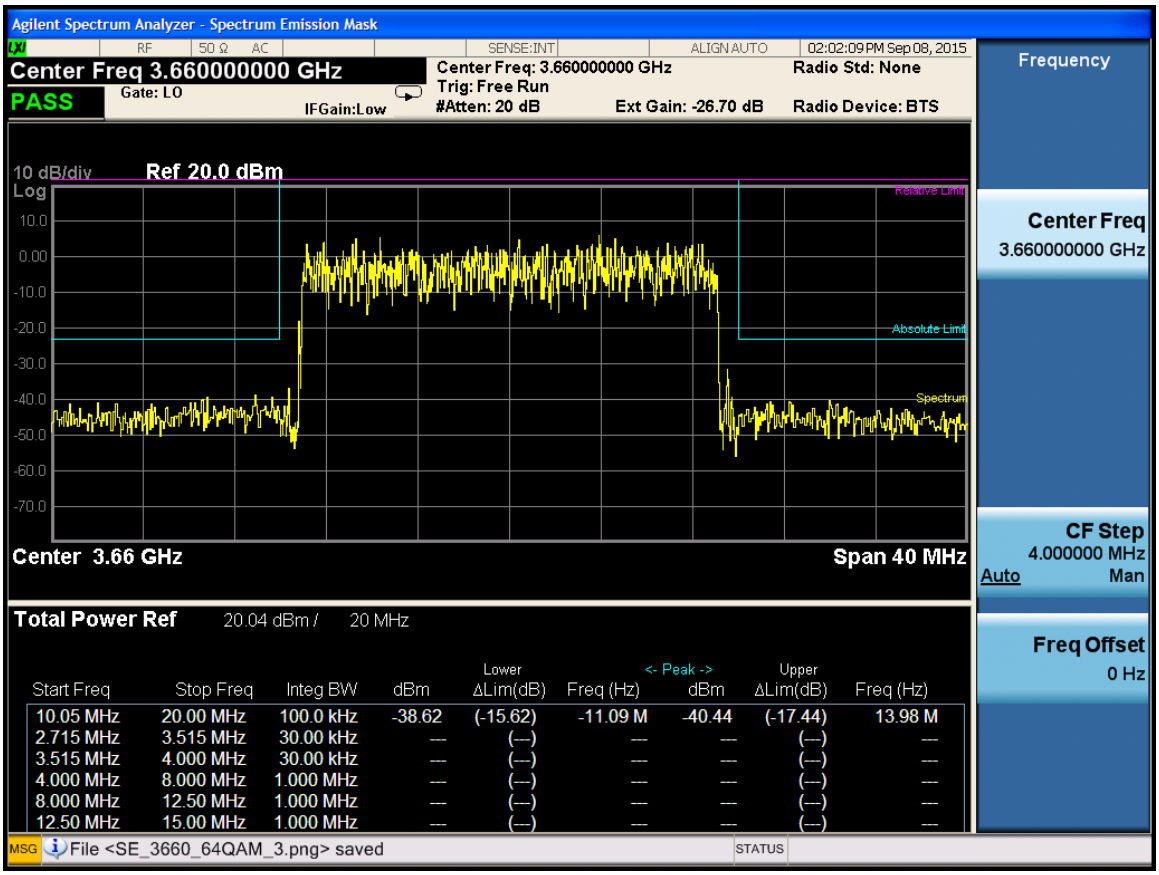

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:36:48 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.770 GHz
-38.80 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

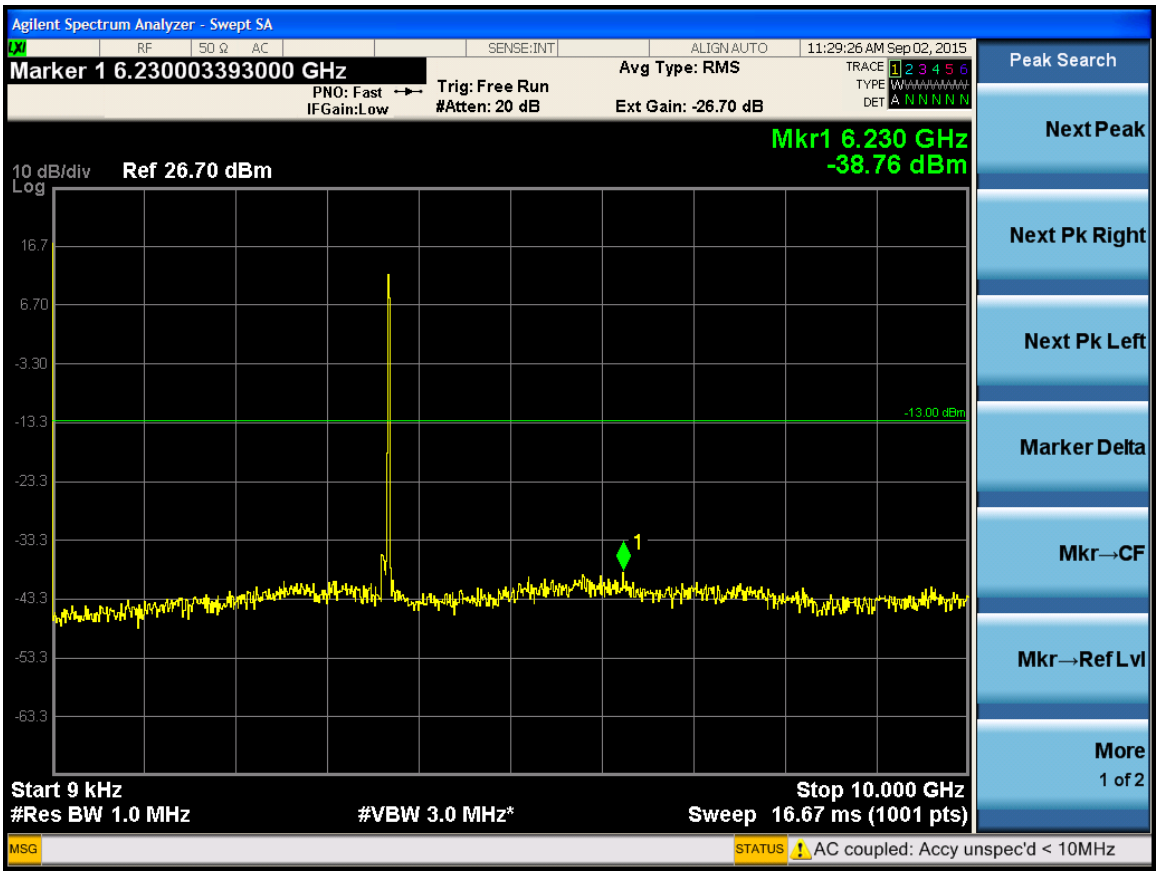

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:EXT
ALIGN OFF
11:36:14 AM Sep 02, 2015
Marker 1 25.988500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE
DET A N N N N N
Mkr1 25.988 5 GHz
-28.63 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

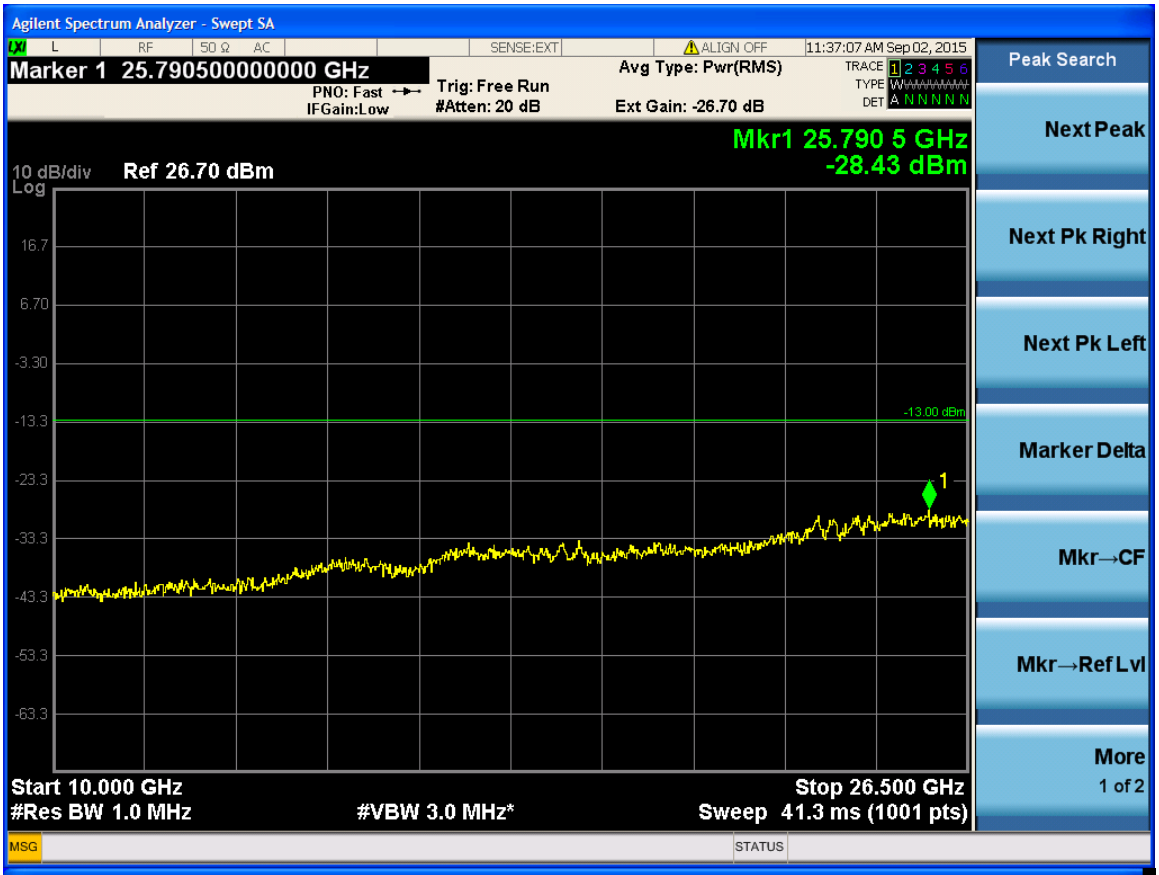

Agilent Spectrum Analyzer - Spectrum Emission Mask
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:00:40 PM Sep 08, 2015
Center Freq 3.660000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.660000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.66 GHz
Span 40 MHz
Center Freq
3.660000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
Total Power Ref 19.86 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -38.34 | (-15.34) | -11.49 M | -39.54 | (-16.54) | 11.39 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
MSG
File <SE_3660_16QAM_3.png> saved
STATUS

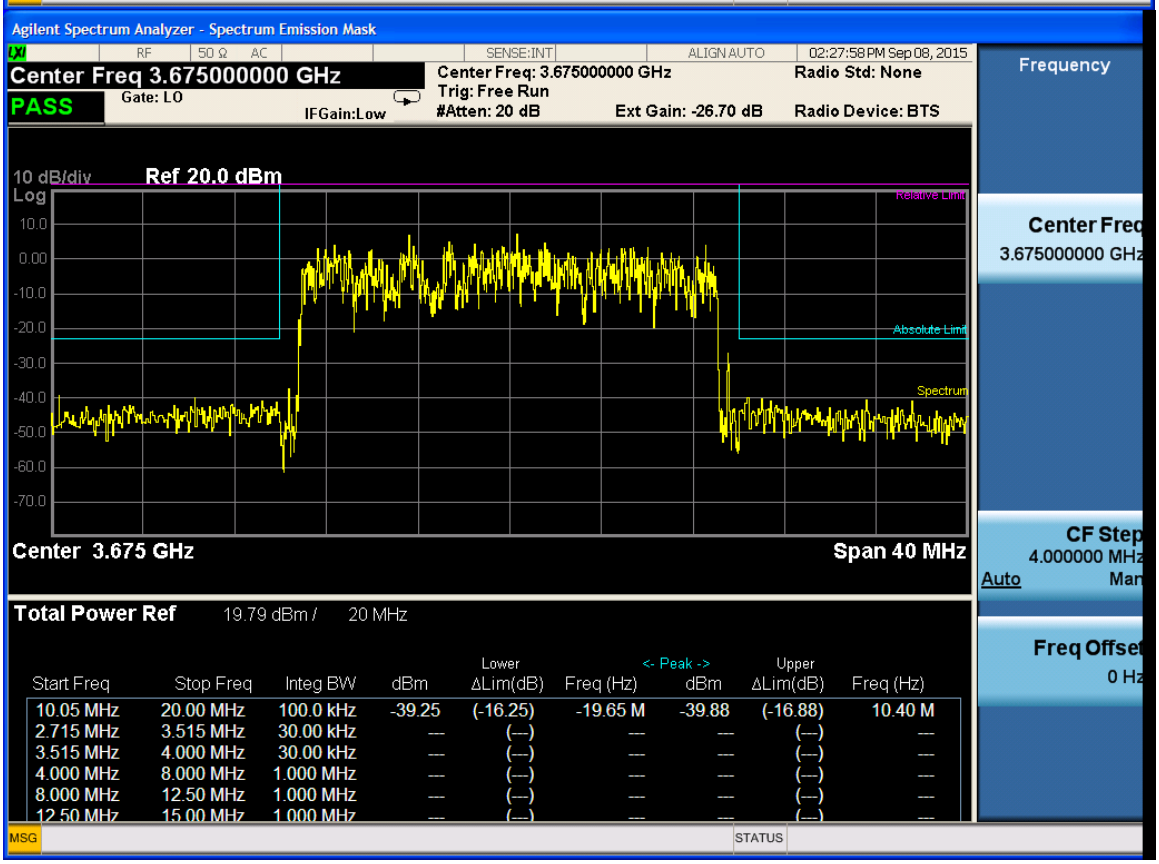

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:37:45 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE WWWWW
DET A N N N N N
Mkr1 6.110 GHz
-38.92 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

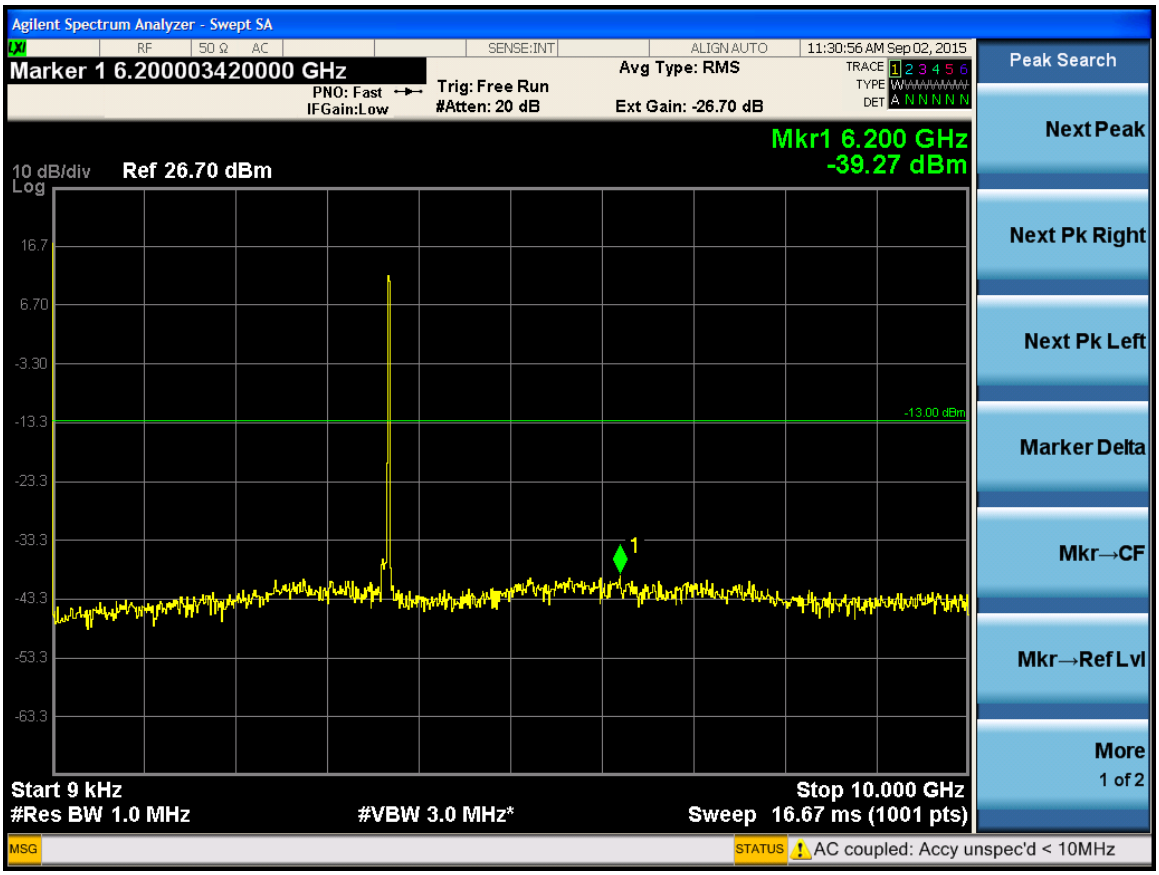

Agilent Spectrum Analyzer - Swept SA
L
RF
50 Ω AC
SENSE:EXT
ALIGN OFF
11:36:57 AM Sep 02, 2015
Marker 1 25.427500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE
DET A N N N N N
Mkr1 25.427 5 GHz
-28.28 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

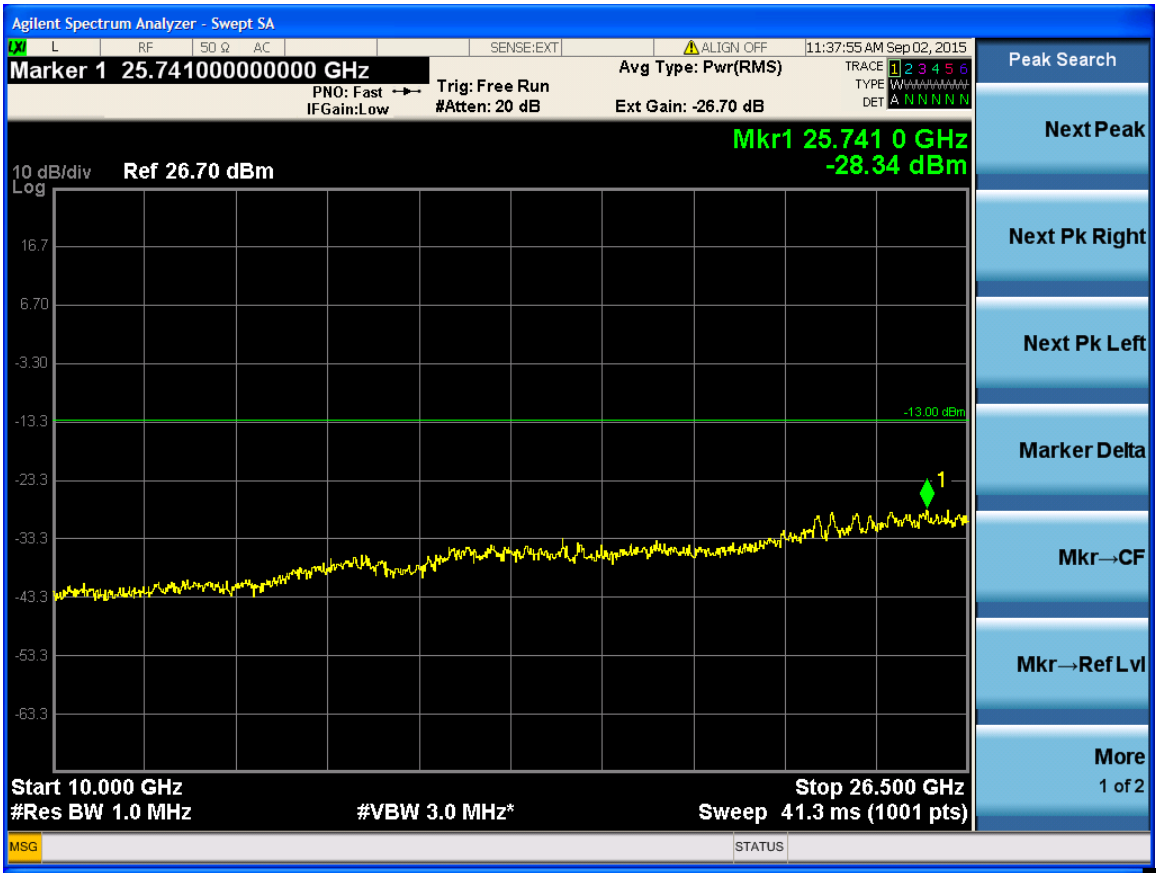

Agilent Spectrum Analyzer - Spectrum Emission Mask
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
02:02:09 PM Sep 08, 2015
Center Freq 3.660000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.660000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center Freq
3.660000000 GHz
Center 3.66 GHz
Span 40 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
Total Power Ref 20.04 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -38.62 | (-15.62) | -11.09 M | -40.44 | (-17.44) | 13.98 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
MSG
File <SE_3660_64QAM_3.png> saved
STATUS

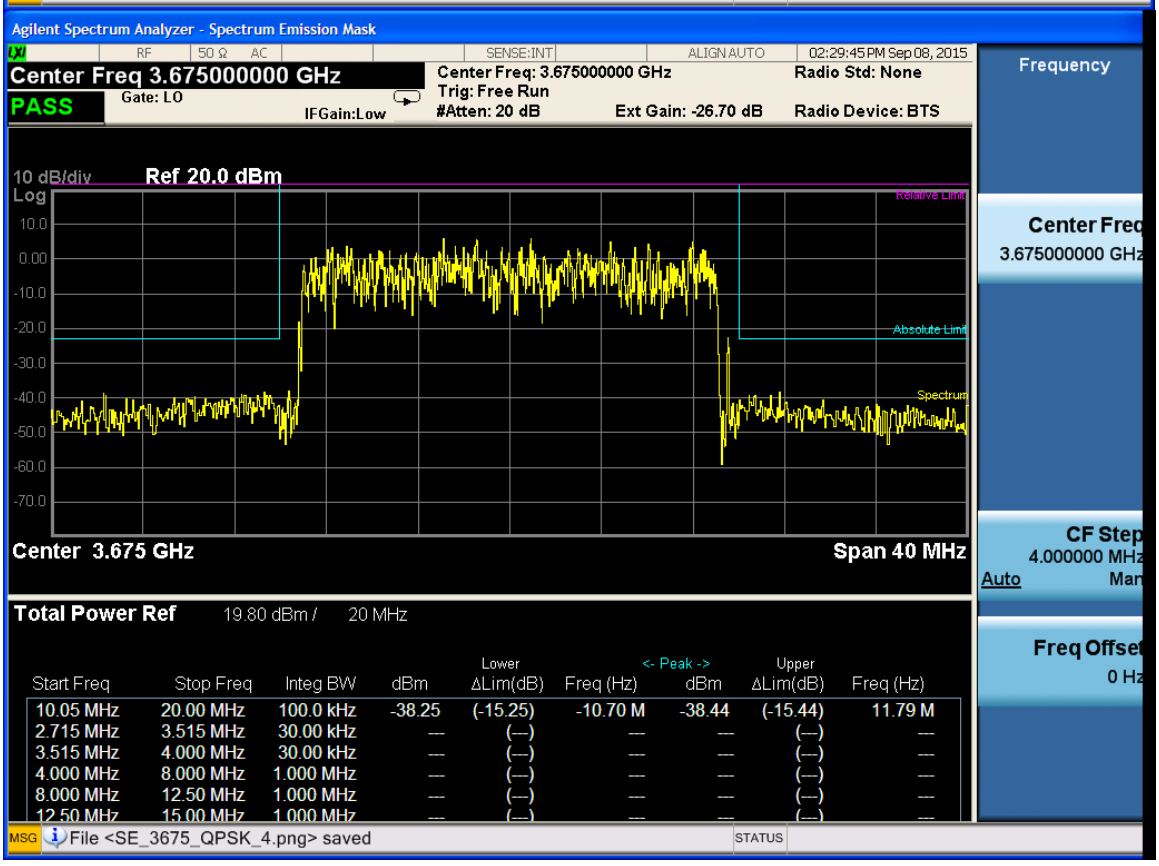

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:29:26 AM Sep 02, 2015
Marker 1 6.230003393000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE WWWWW
DET A N N N N N
Mkr1 6.230 GHz
-38.76 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 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
AC coupled: Accy unspec'd < 10MHz

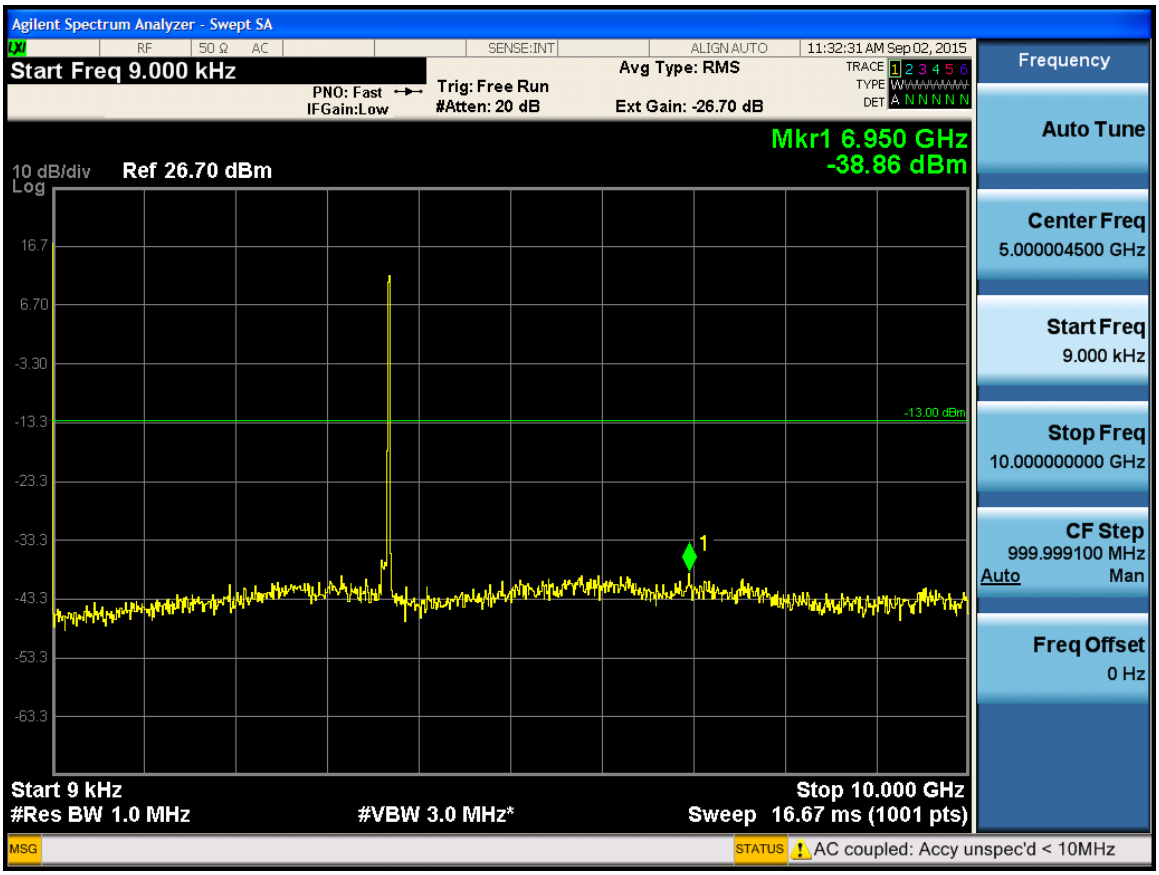

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.790500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:37:07 AM Sep 02, 2015
Mkr1 25.790 5 GHz
-28.43 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

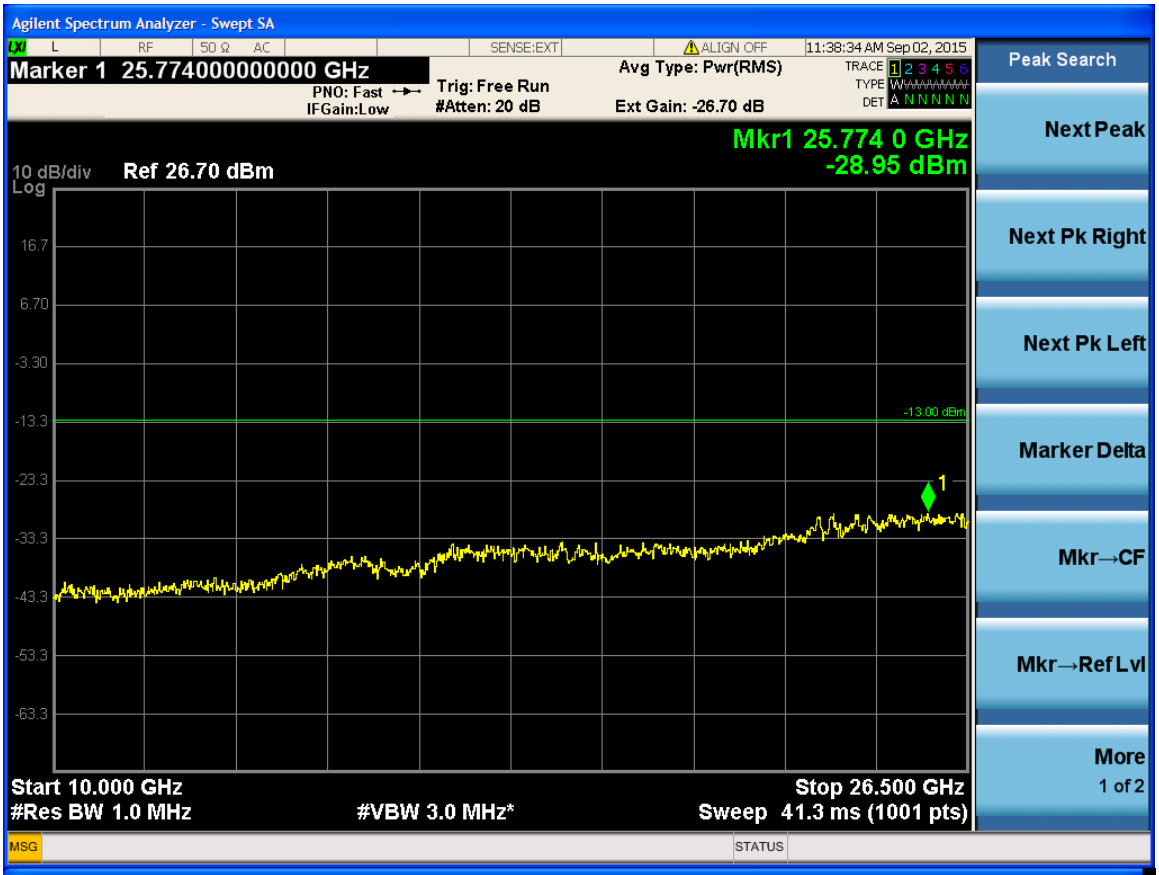

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:27:58 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.79 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -39.25 (-16.25) -19.65 M -39.88 (-16.88) 10.40 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

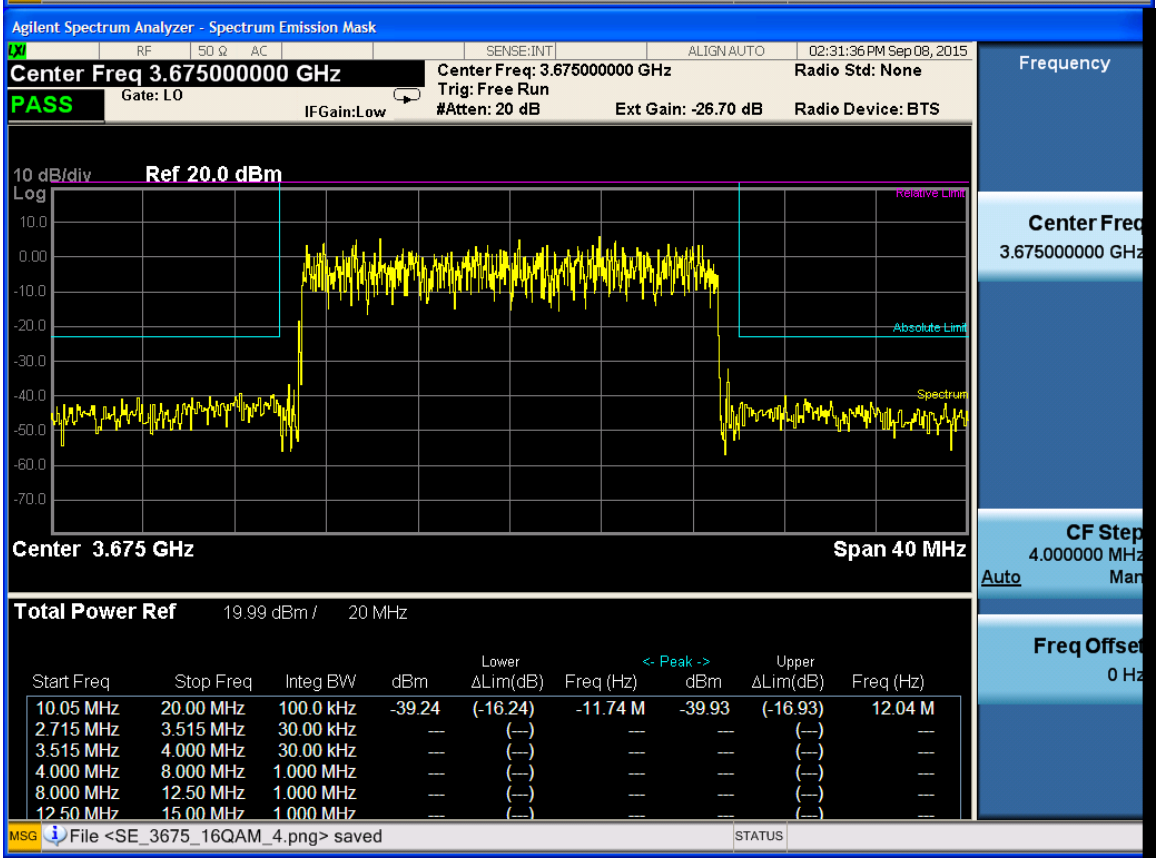

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:30:56 AM Sep 02, 2015
Marker 1 6.200003420000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE WWWWW
DET A N N N N N
Mkr1 6.200 GHz
-39.27 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

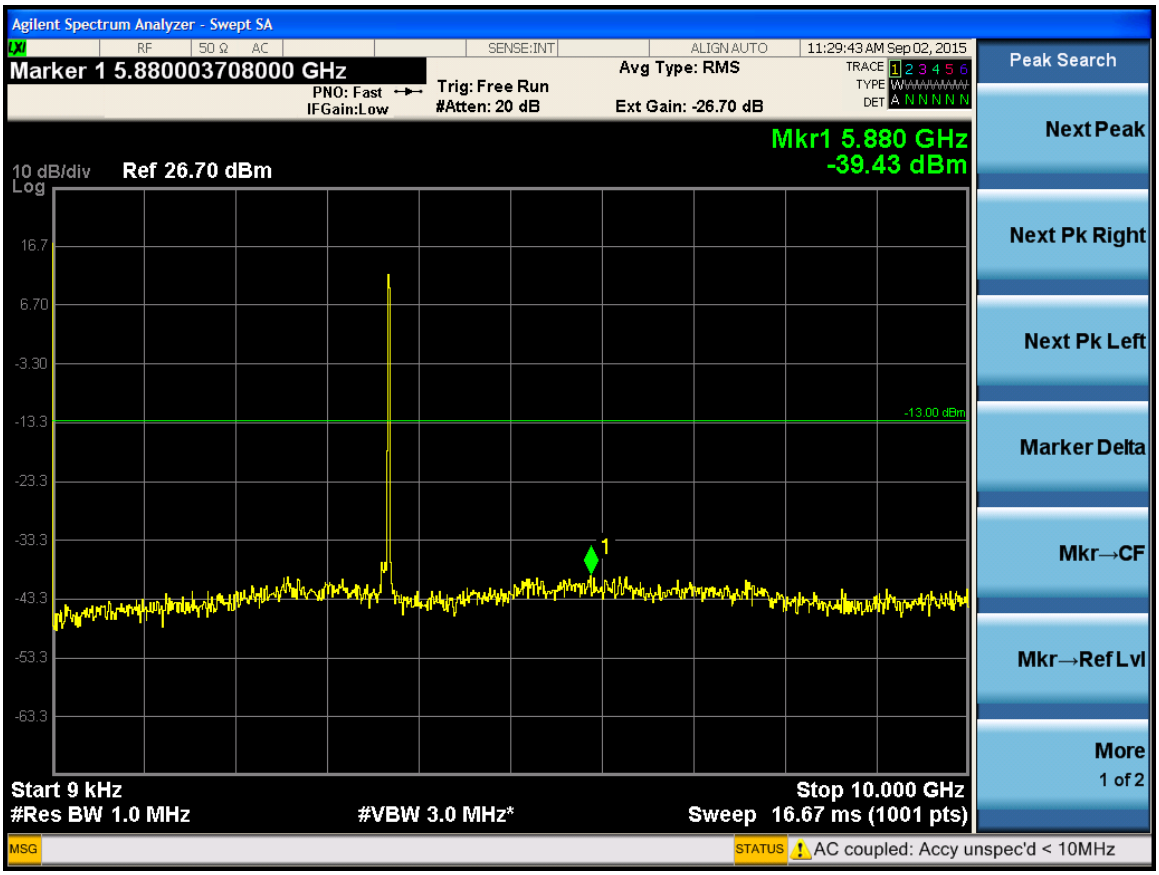

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.741000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:37:55 AM Sep 02, 2015
Mkr1 25.741 0 GHz
-28.34 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

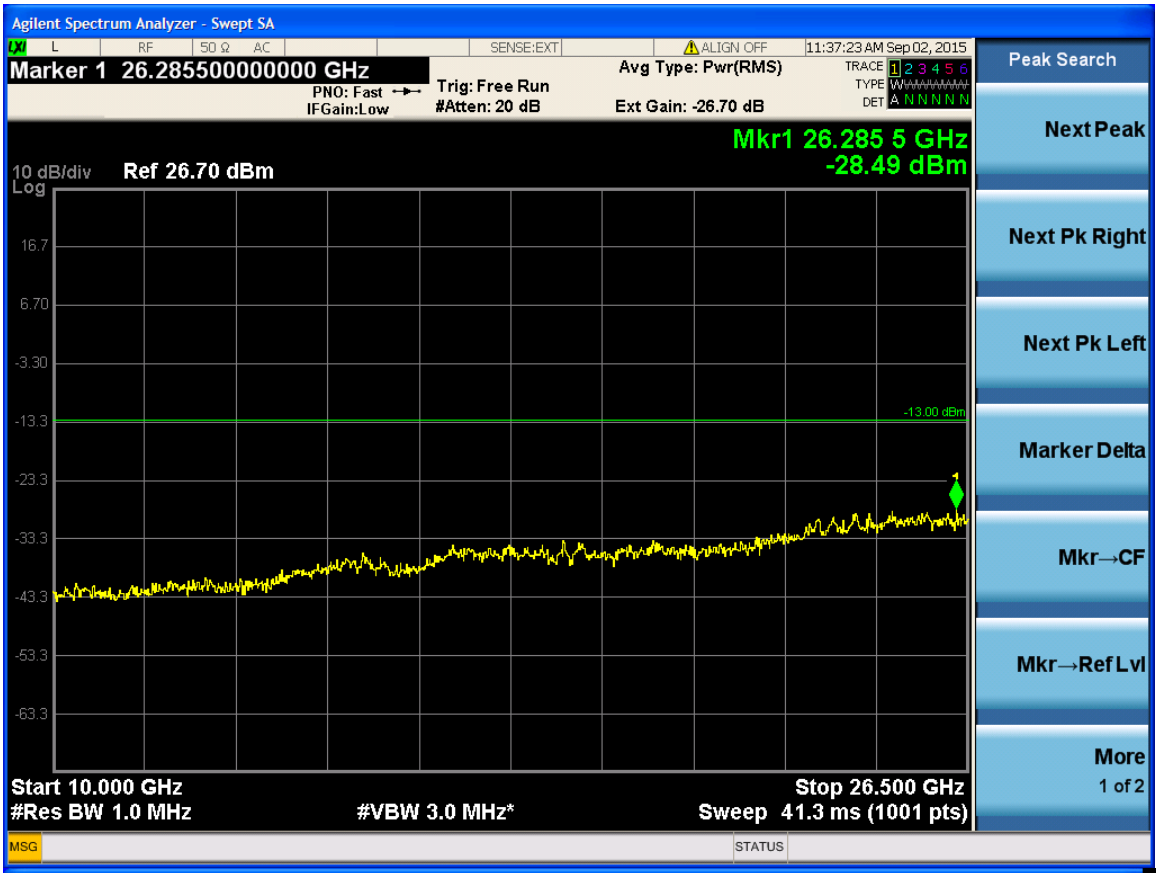

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:29:45 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.80 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -38.25 | (-15.25) | -10.70 M | -38.44 | (-15.44) | 11.79 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_QPSK_4.png> saved
STATUS

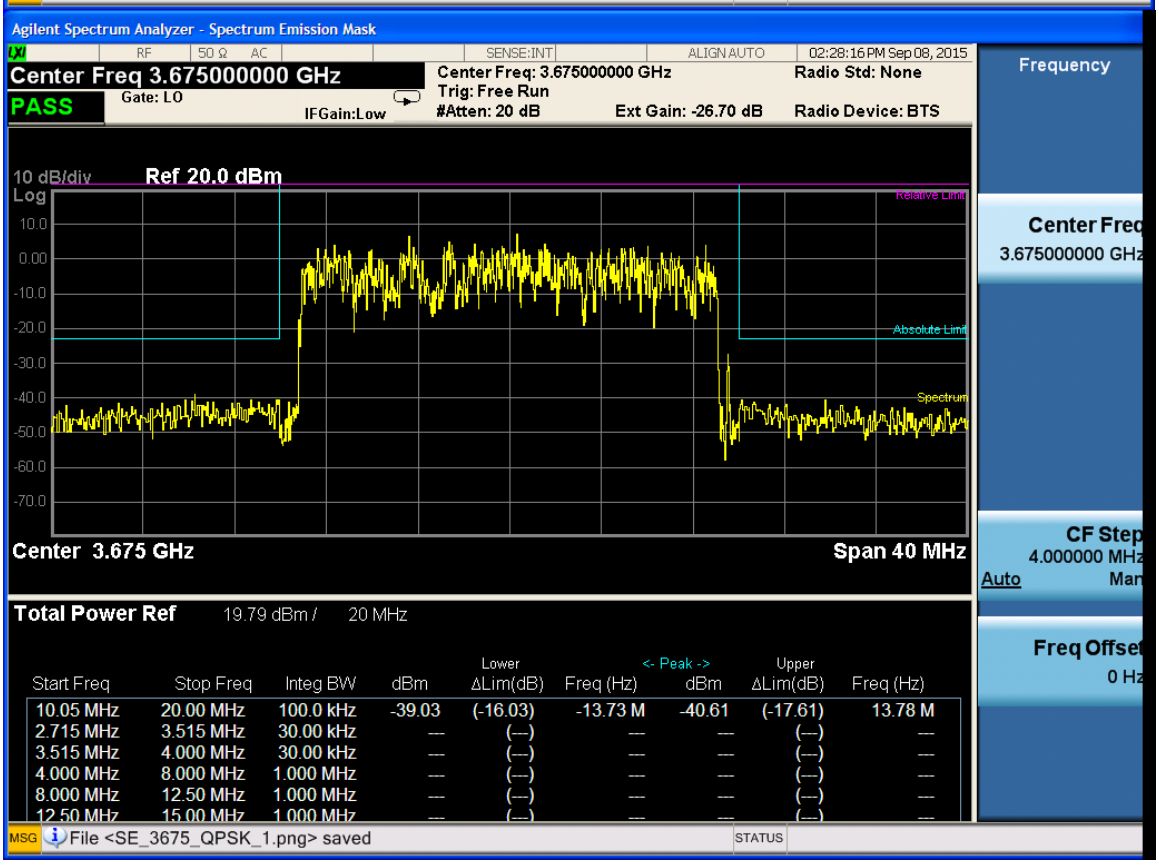

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:32:31 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE WWWWW
DET A N N N N N
Mkr1 6.950 GHz
-38.86 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

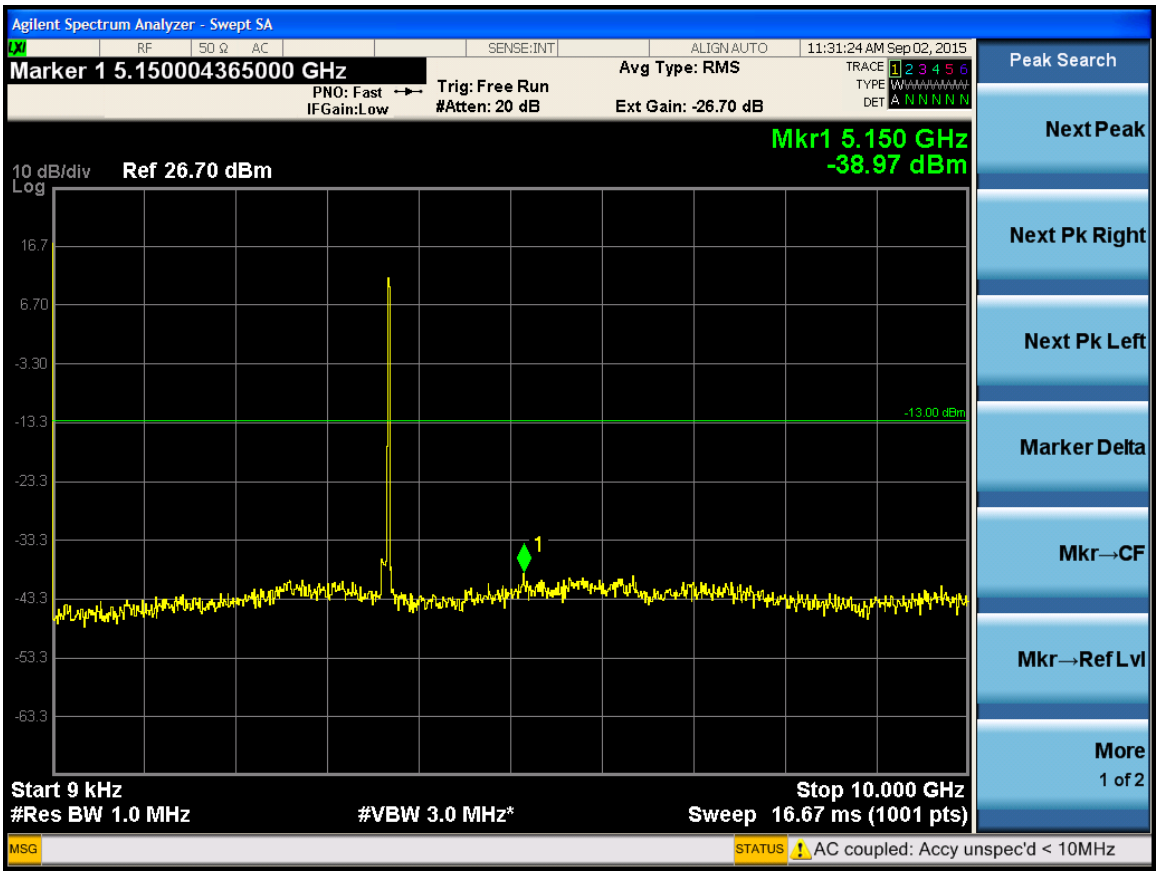

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.774000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:38:34 AM Sep 02, 2015
Mkr1 25.774 0 GHz
-28.95 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

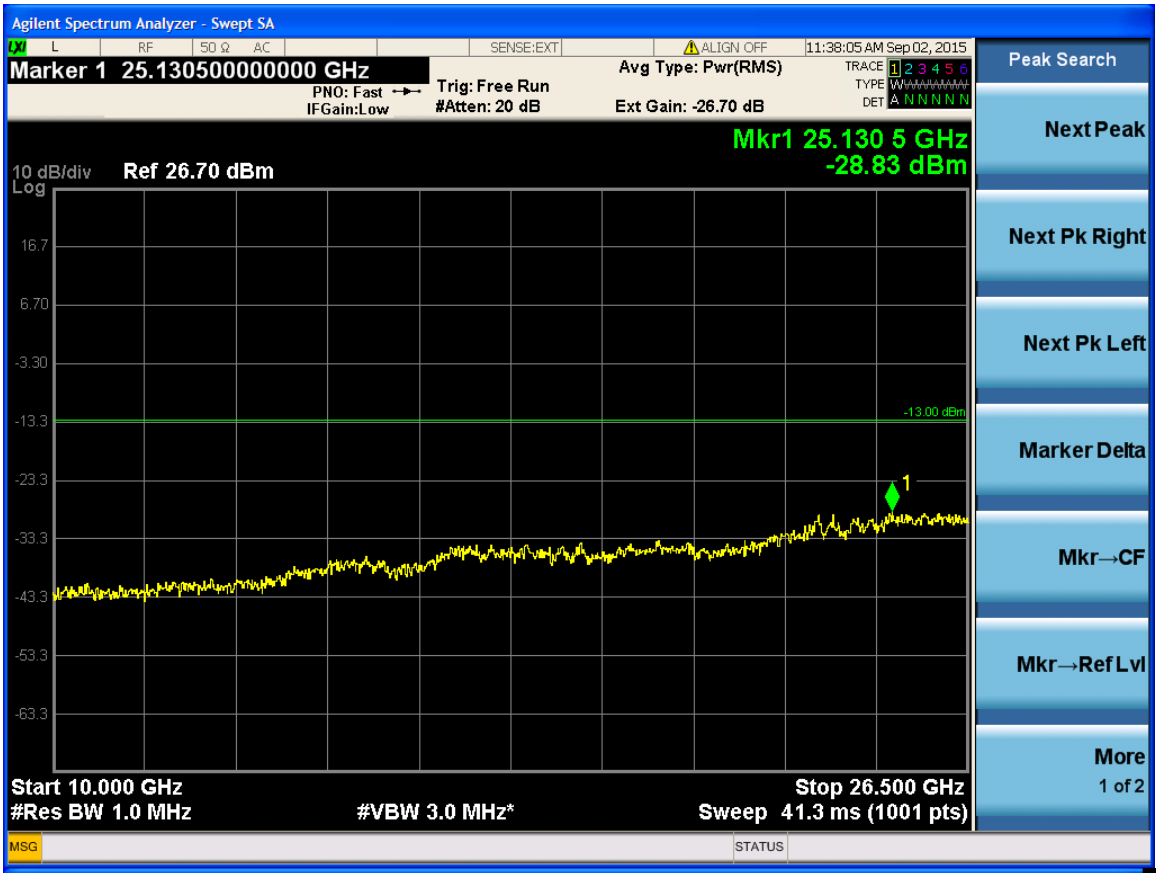

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:31:36 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.99 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -39.24 | (-16.24) | -11.74 M | -39.93 | (-16.93) | 12.04 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_16QAM_4.png> saved
STATUS

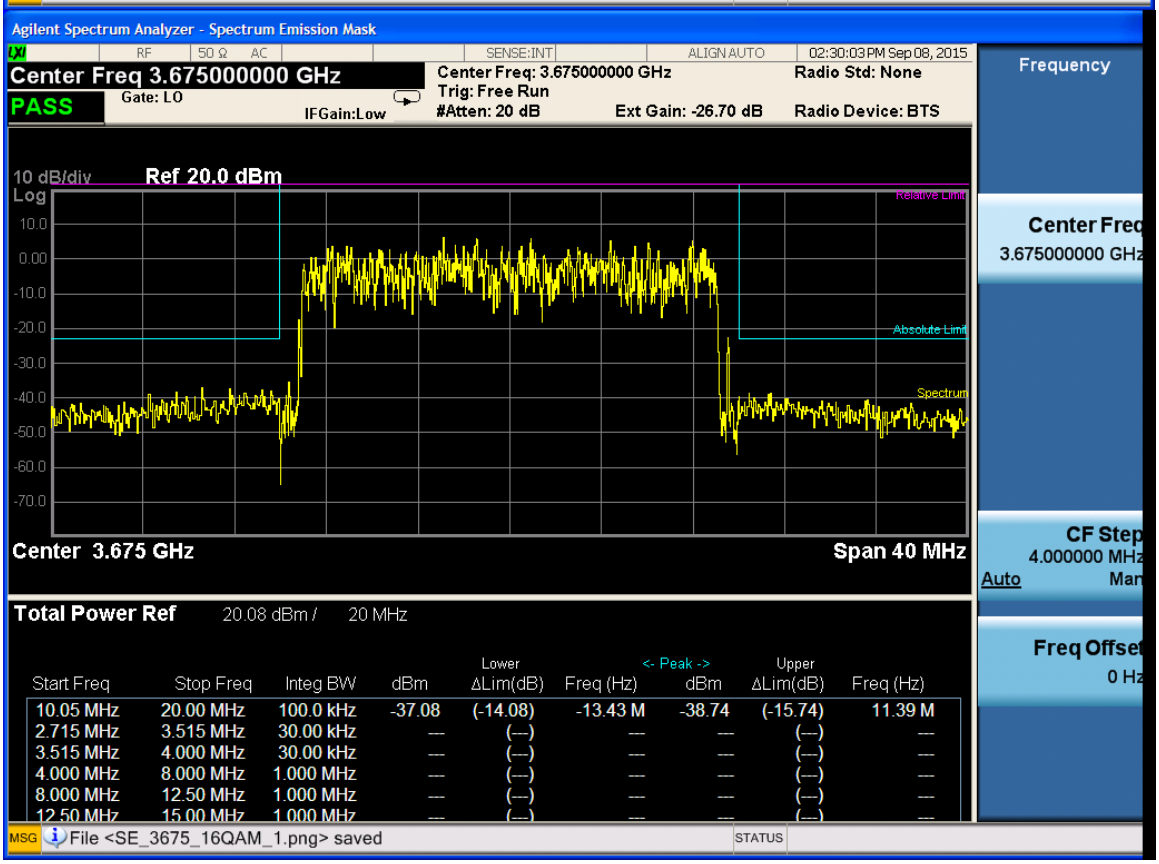

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:29:43 AM Sep 02, 2015
Marker 1 5.880003708000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.880 GHz
-39.43 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

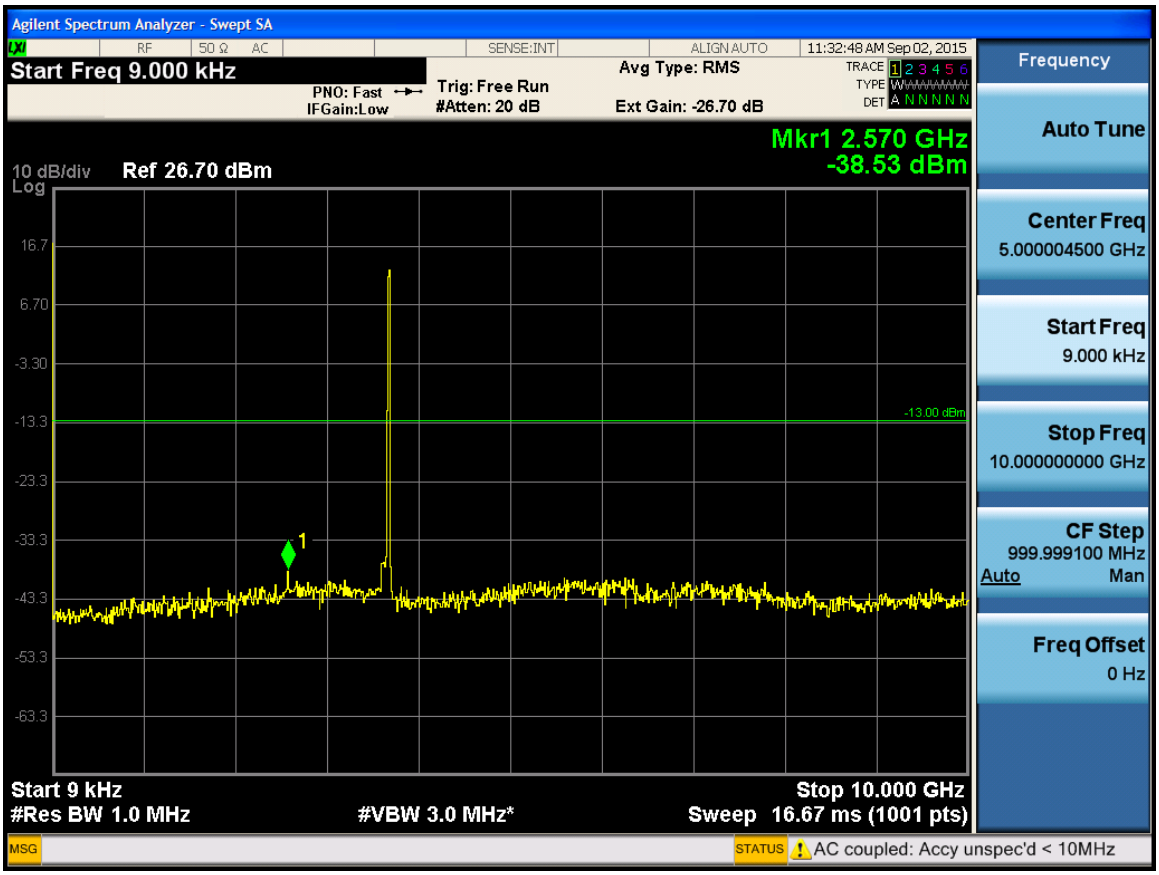

Agilent Spectrum Analyzer - Swept SA
Marker 1 26.285500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:37:23 AM Sep 02, 2015
Mkr1 26.285 5 GHz
-28.49 dBm
10 dB/div
Log
Ref 26.70 dBm
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

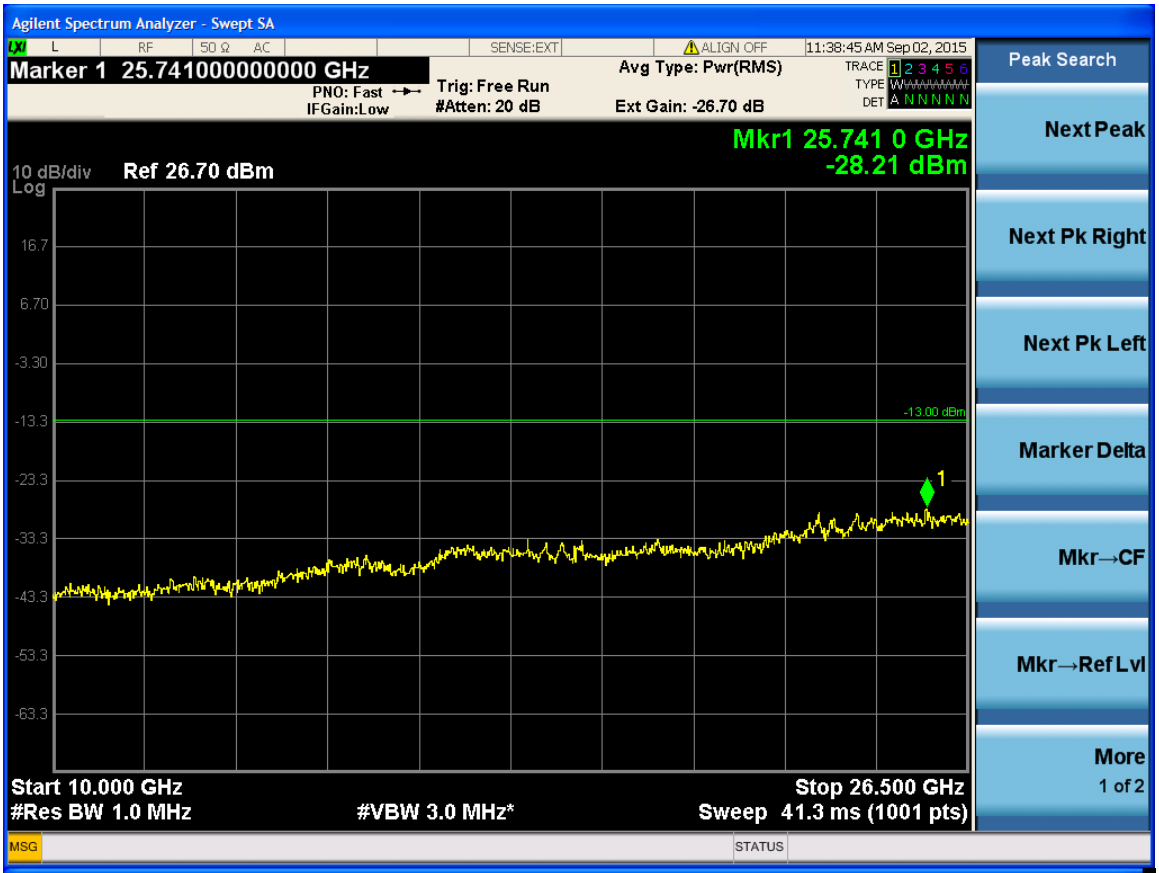

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:28:16 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.79 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -39.03 (-16.03) -13.73 M -40.61 (-17.61) 13.78 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_QPSK_1.png> saved
STATUS

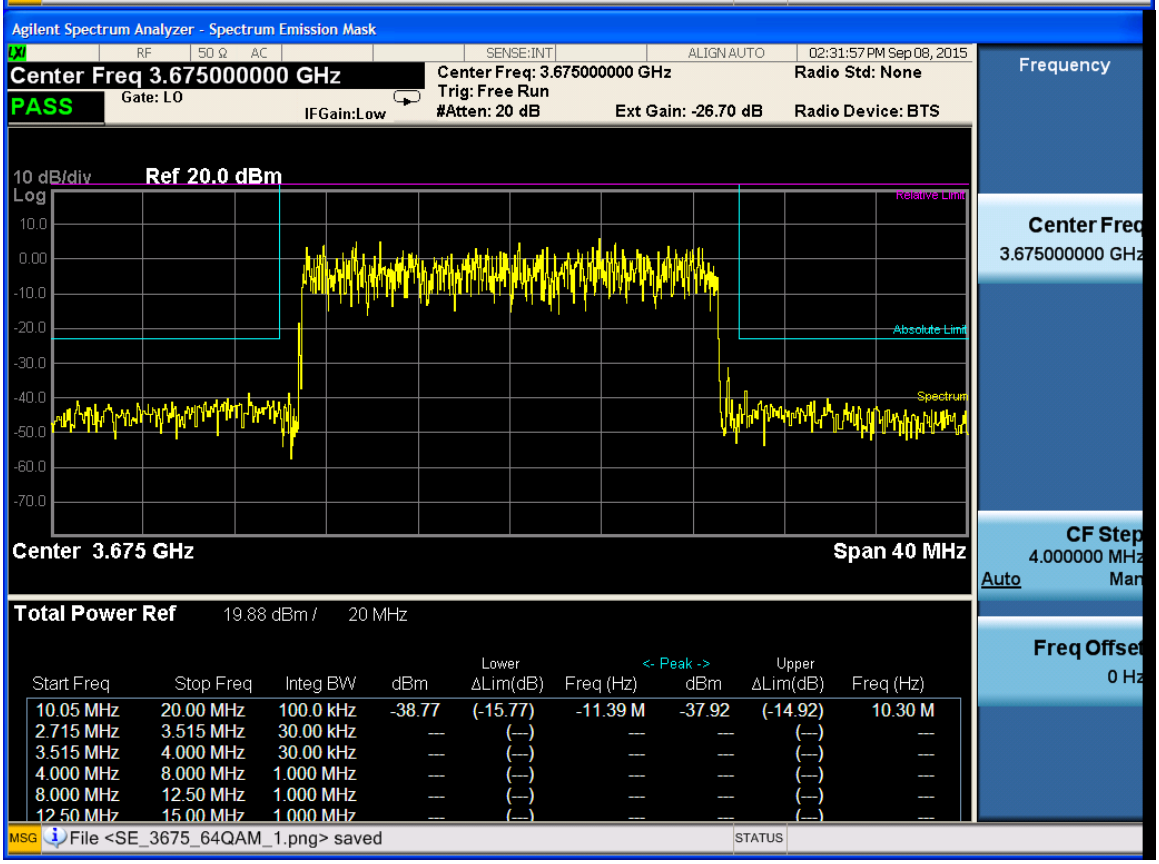

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:31:24 AM Sep 02, 2015
Marker 1 5.150004365000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.150 GHz
-38.97 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

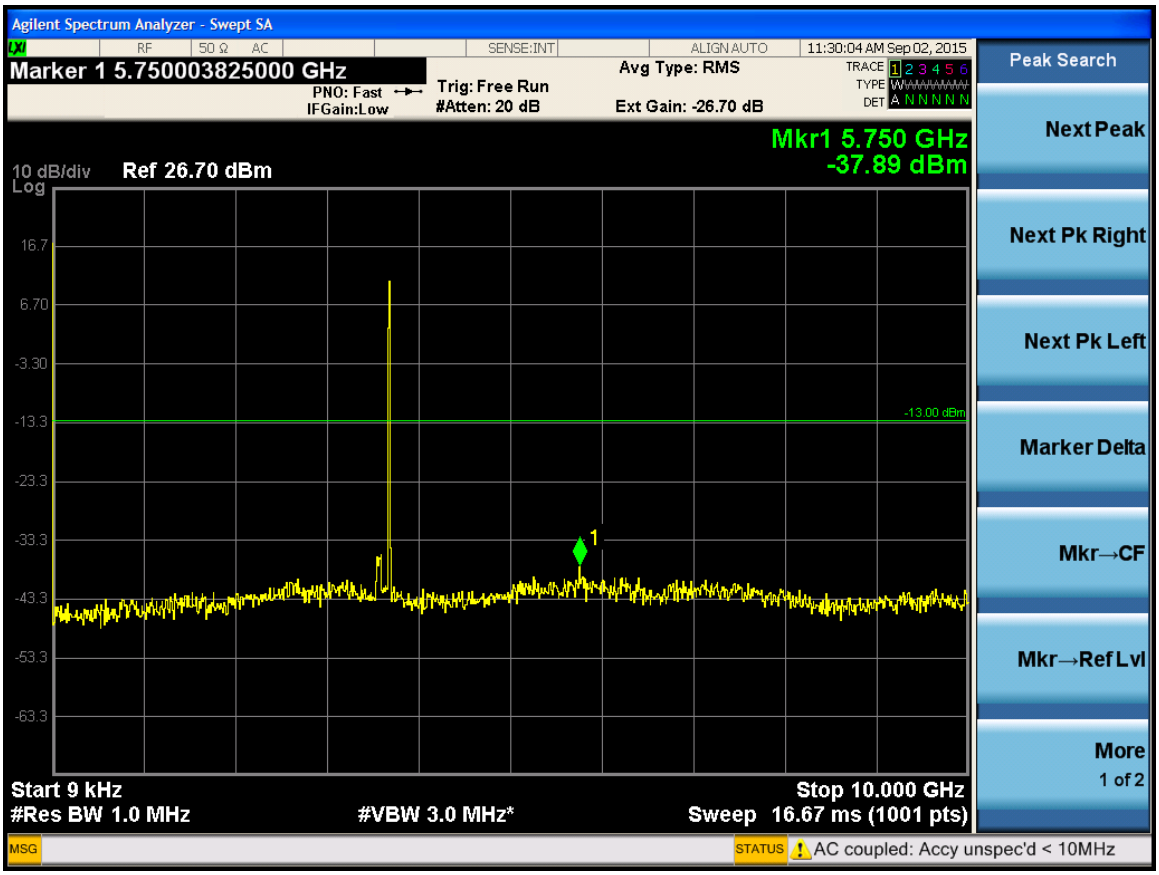

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.130500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:38:05 AM Sep 02, 2015
Mkr1 25.130 5 GHz
-28.83 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

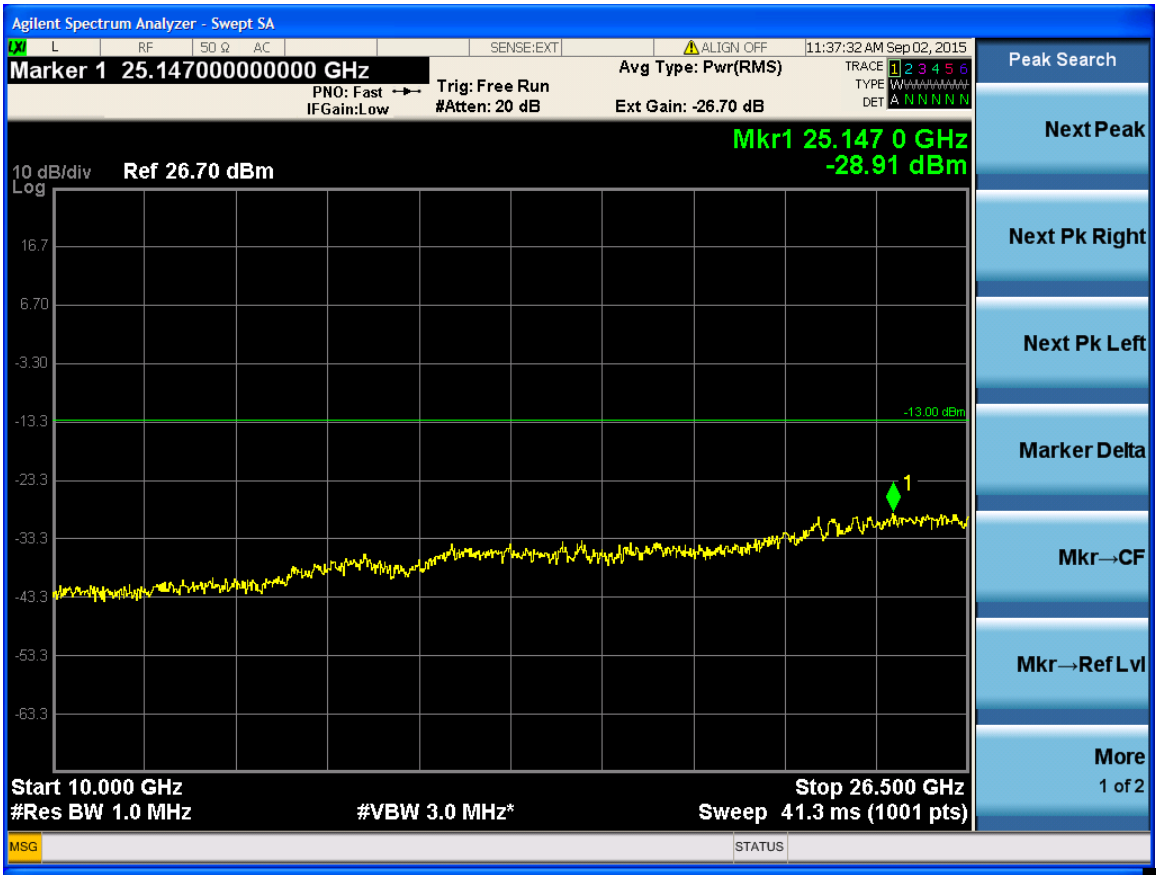

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:30:03 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 20.08 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -37.08 | (-14.08) | -13.43 M | -38.74 | (-15.74) | 11.39 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_16QAM_1.png> saved
STATUS

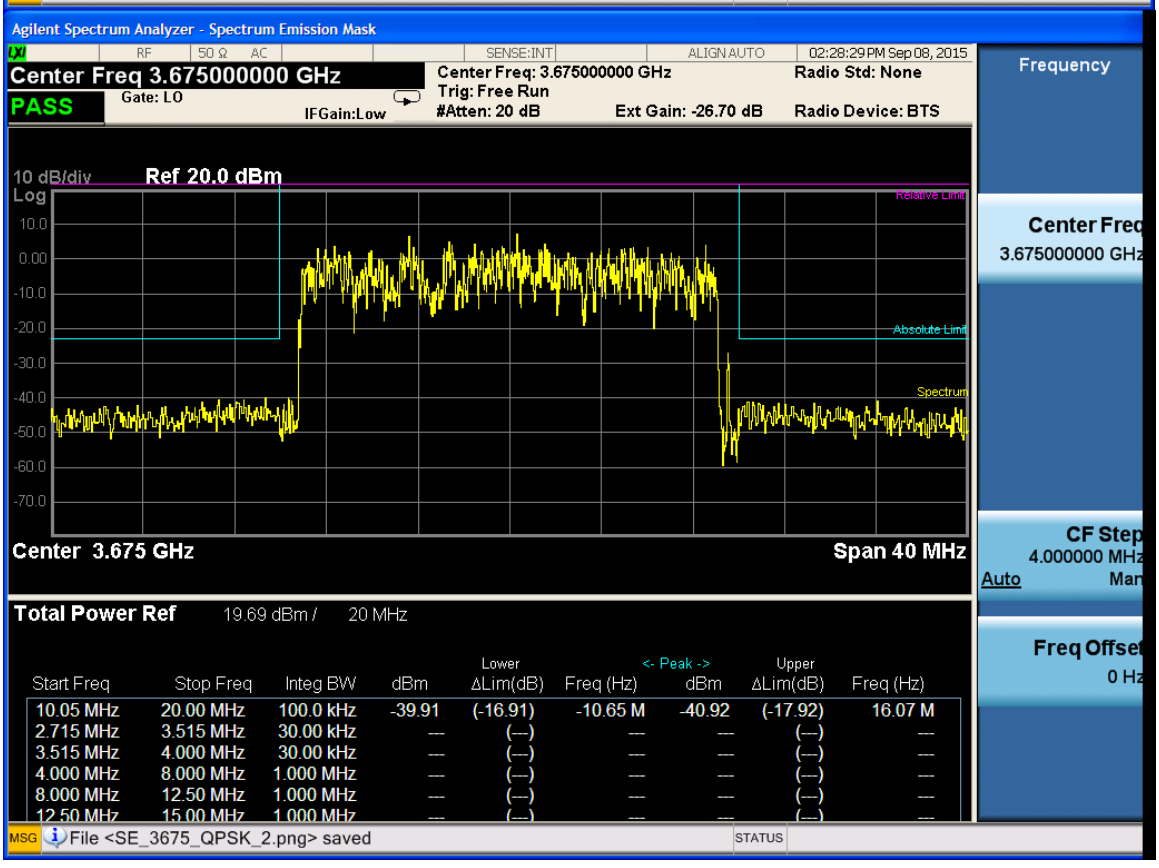

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:32:48 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 2.570 GHz
-38.53 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

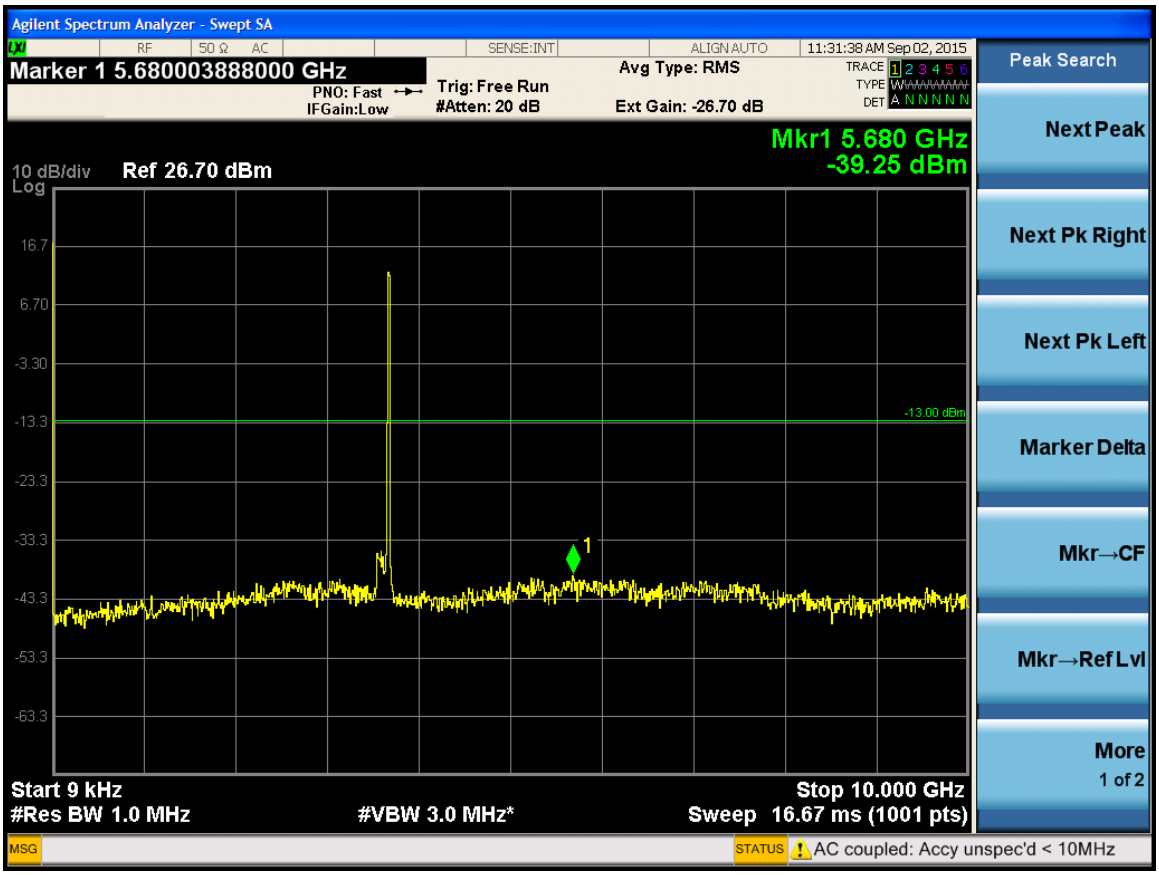

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.741000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:38:45 AM Sep 02, 2015
Mkr1 25.741 0 GHz
-28.21 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

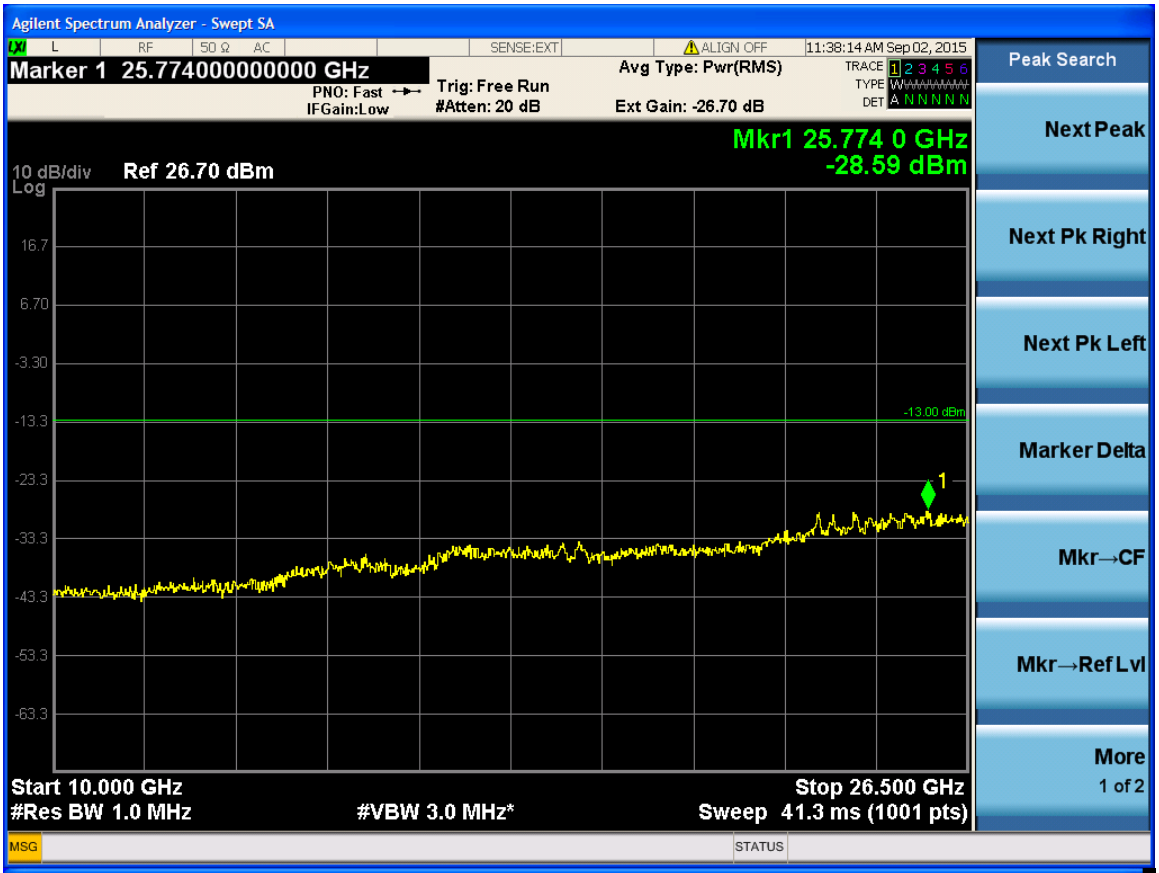

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:31:57 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.88 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -38.77 (-15.77) -11.39 M -37.92 (-14.92) 10.30 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_64QAM_1.png> saved
STATUS

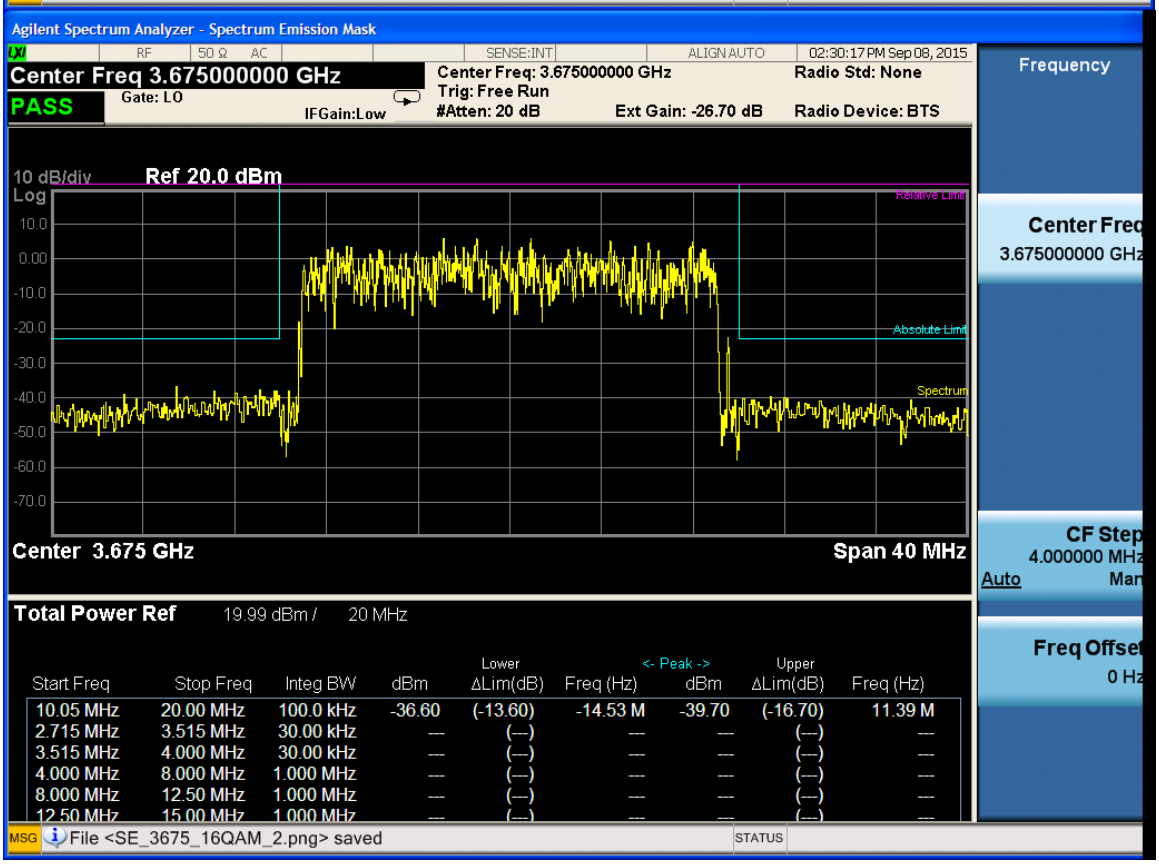

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:30:04 AM Sep 02, 2015
Marker 1 5.750003825000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.750 GHz
-37.89 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

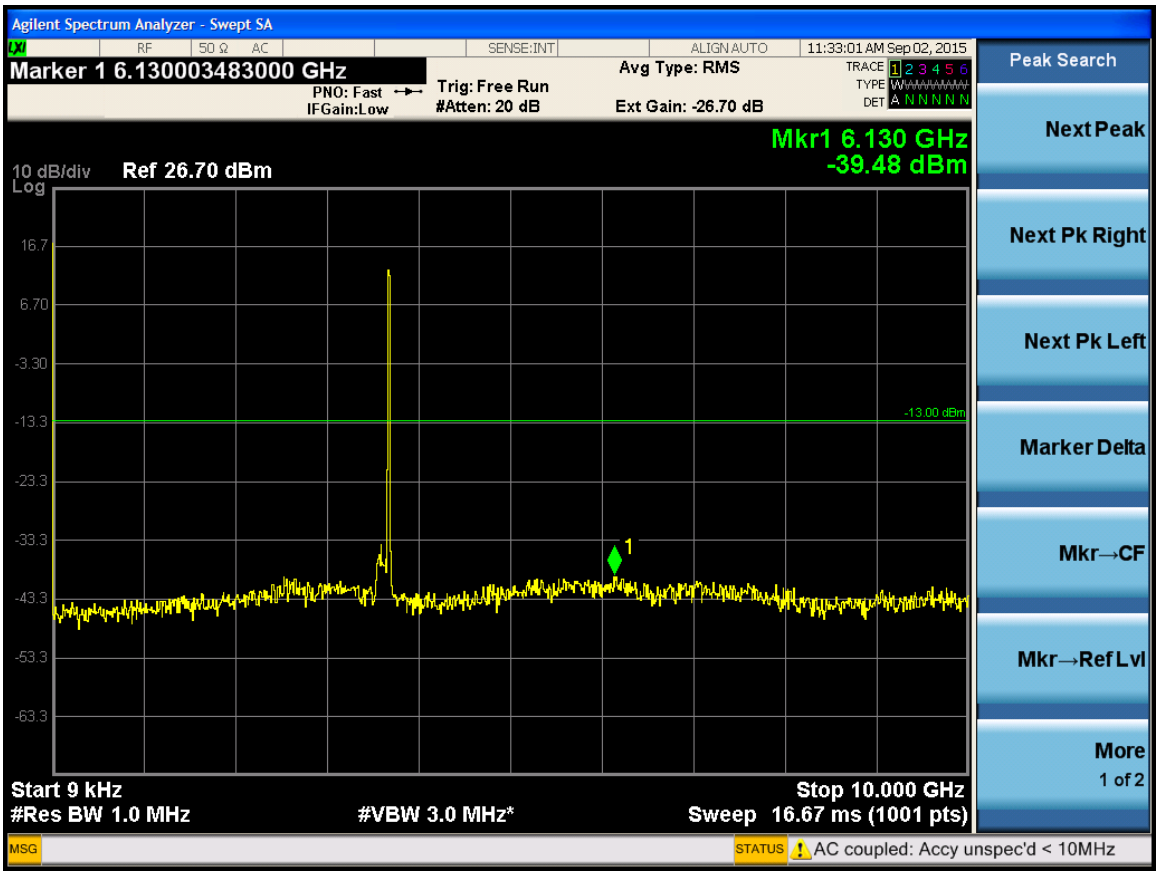

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.147000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:37:32 AM Sep 02, 2015
Mkr1 25.147 0 GHz
-28.91 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

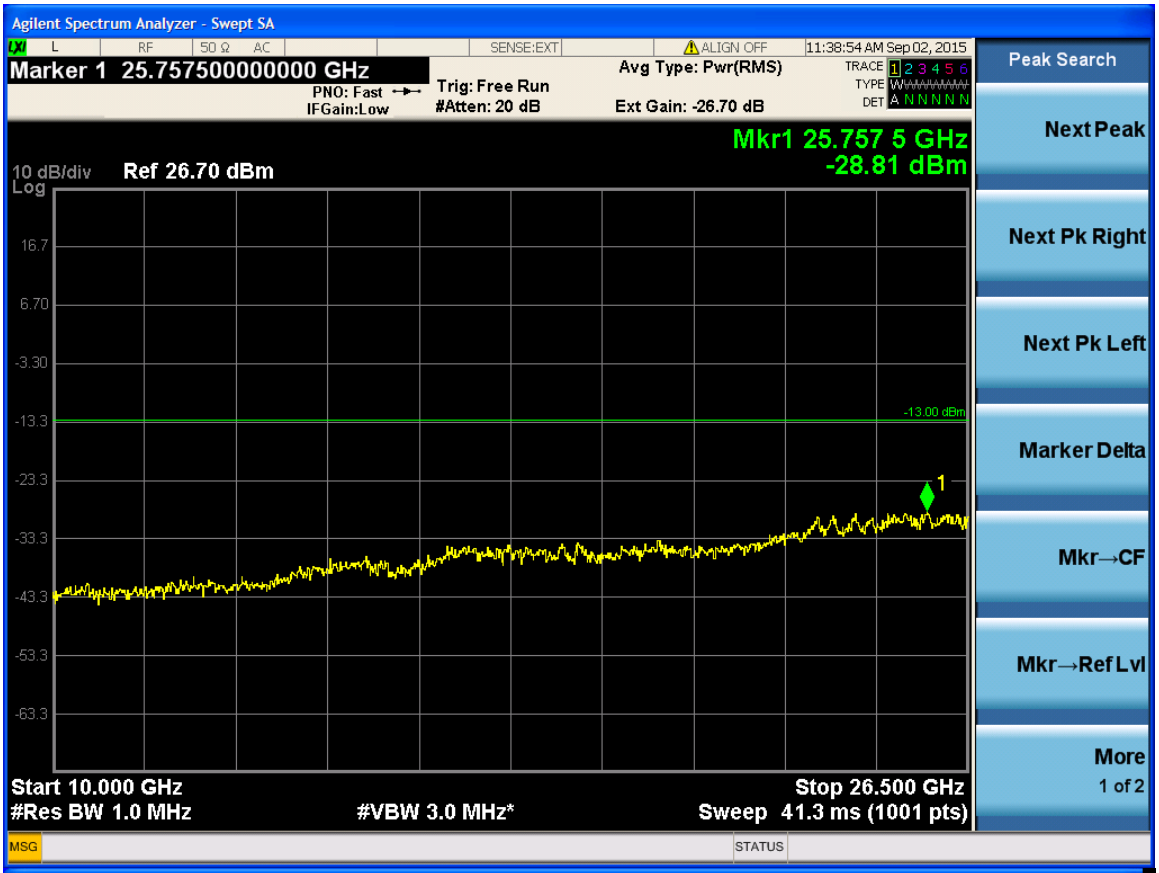

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:28:29 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.69 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -39.91 (-16.91) -10.65 M -40.92 (-17.92) 16.07 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_QPSK_2.png> saved
STATUS

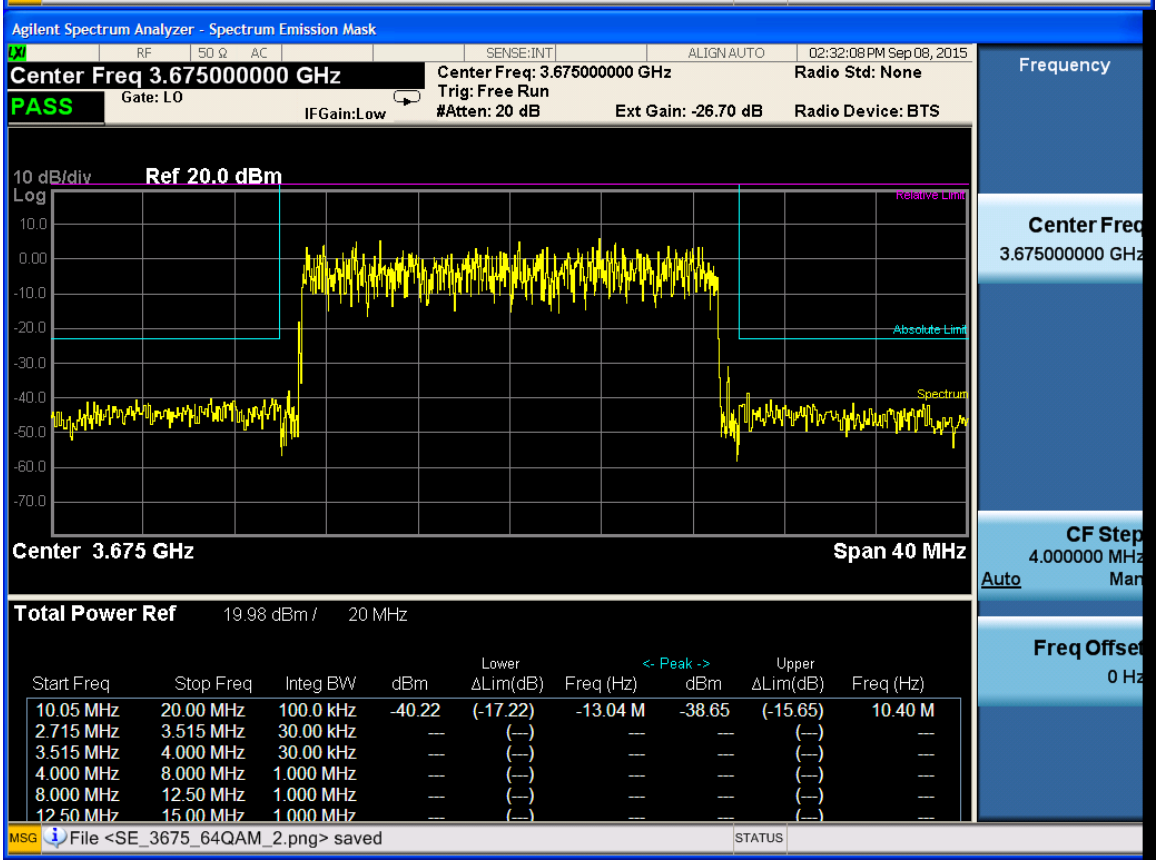

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:31:38 AM Sep 02, 2015
Marker 1 5.680003888000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.680 GHz
-39.25 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

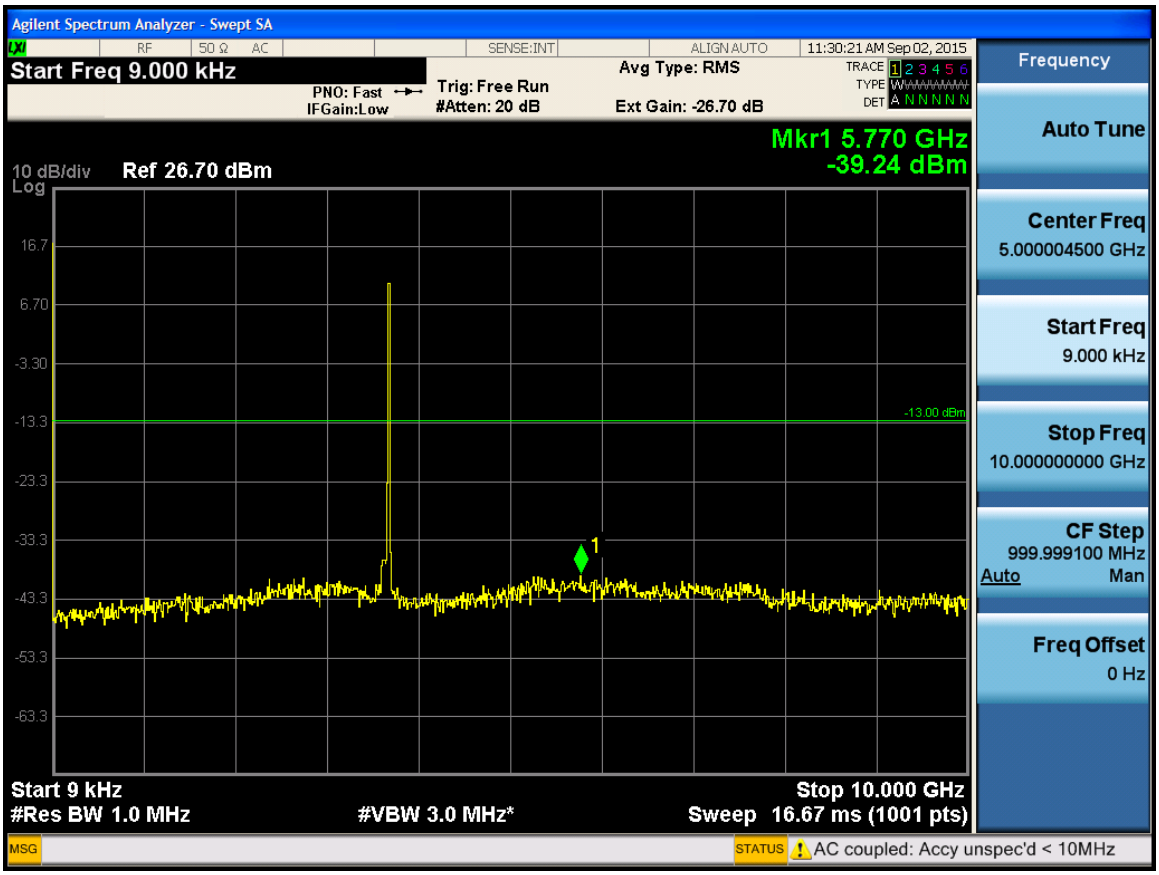

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.774000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:38:14 AM Sep 02, 2015
Mkr1 25.774 0 GHz
-28.59 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

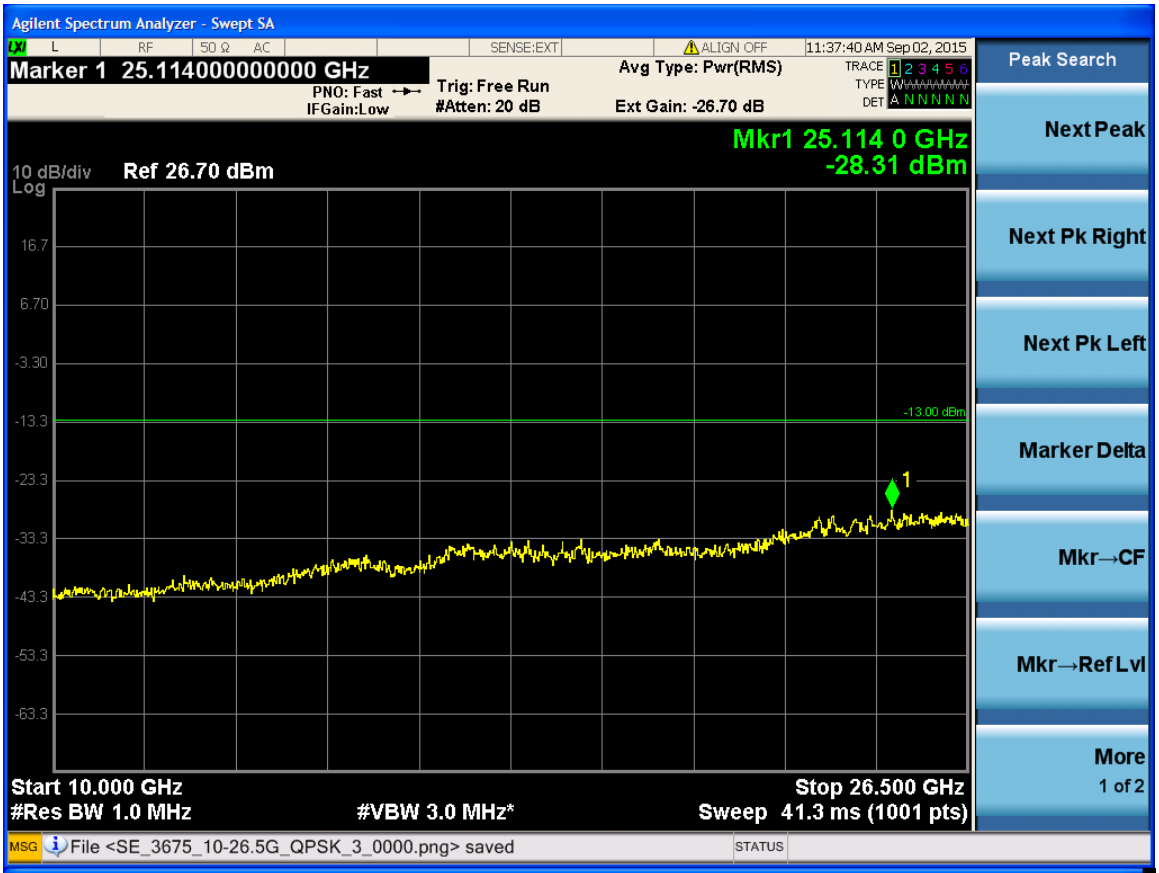

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:30:17 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.99 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -36.60 (-13.60) -14.53 M -39.70 (-16.70) 11.39 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_16QAM_2.png> saved
STATUS

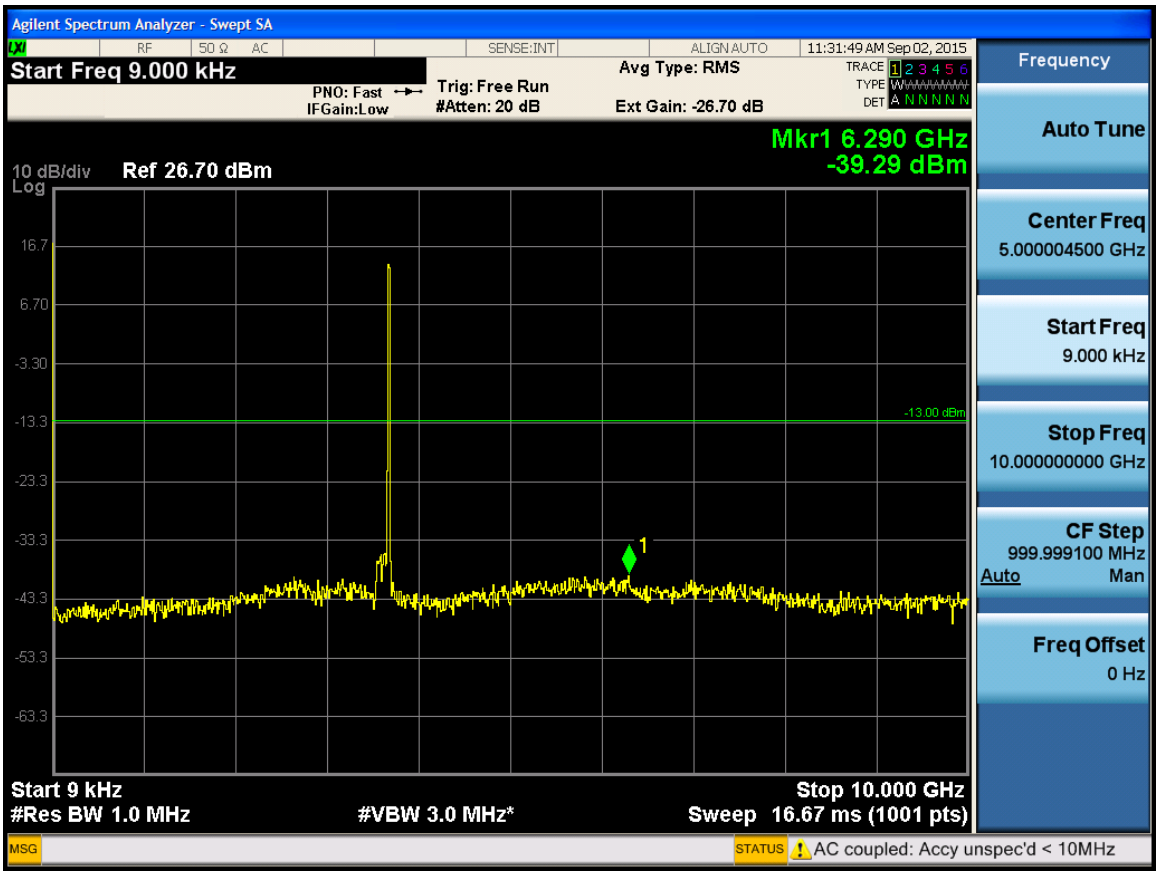

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:33:01 AM Sep 02, 2015
Marker 1 6.130003483000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 6.130 GHz
-39.48 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

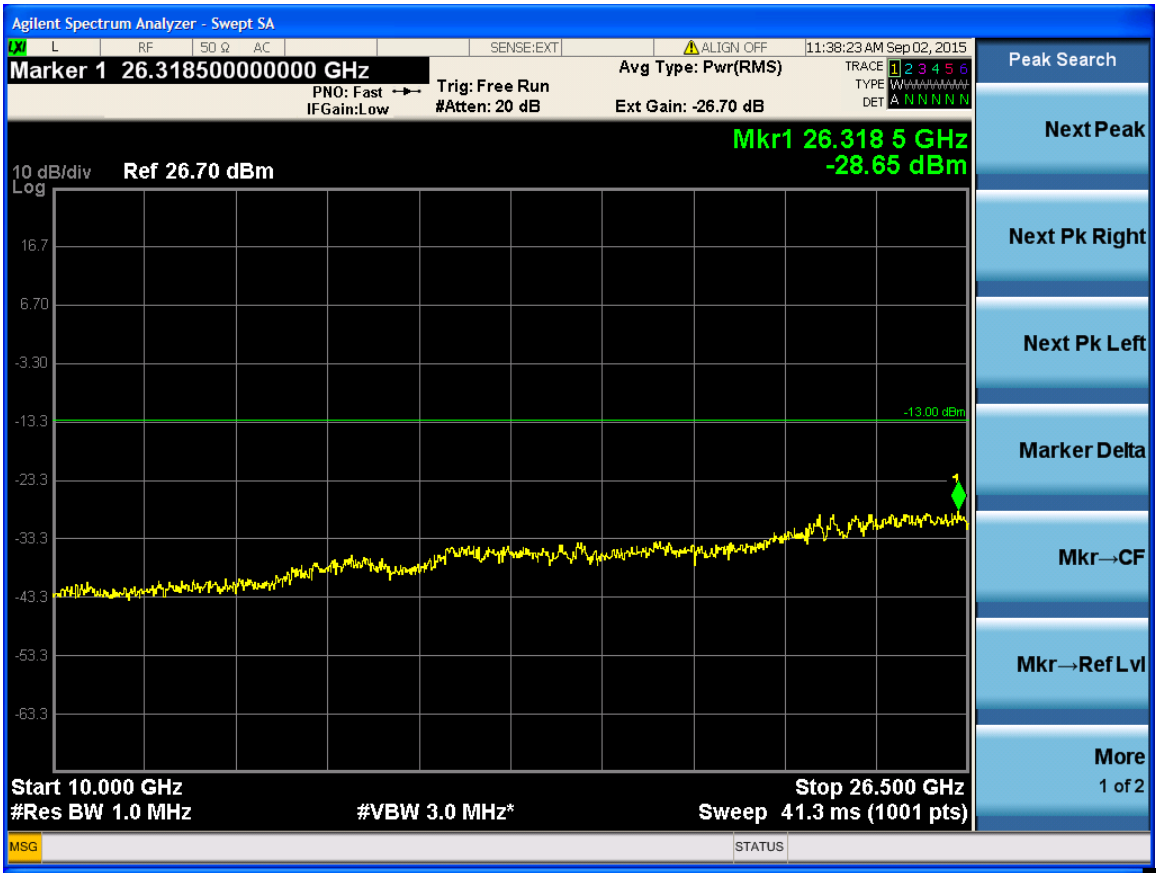

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.757500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:38:54 AM Sep 02, 2015
Mkr1 25.757 5 GHz
-28.81 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

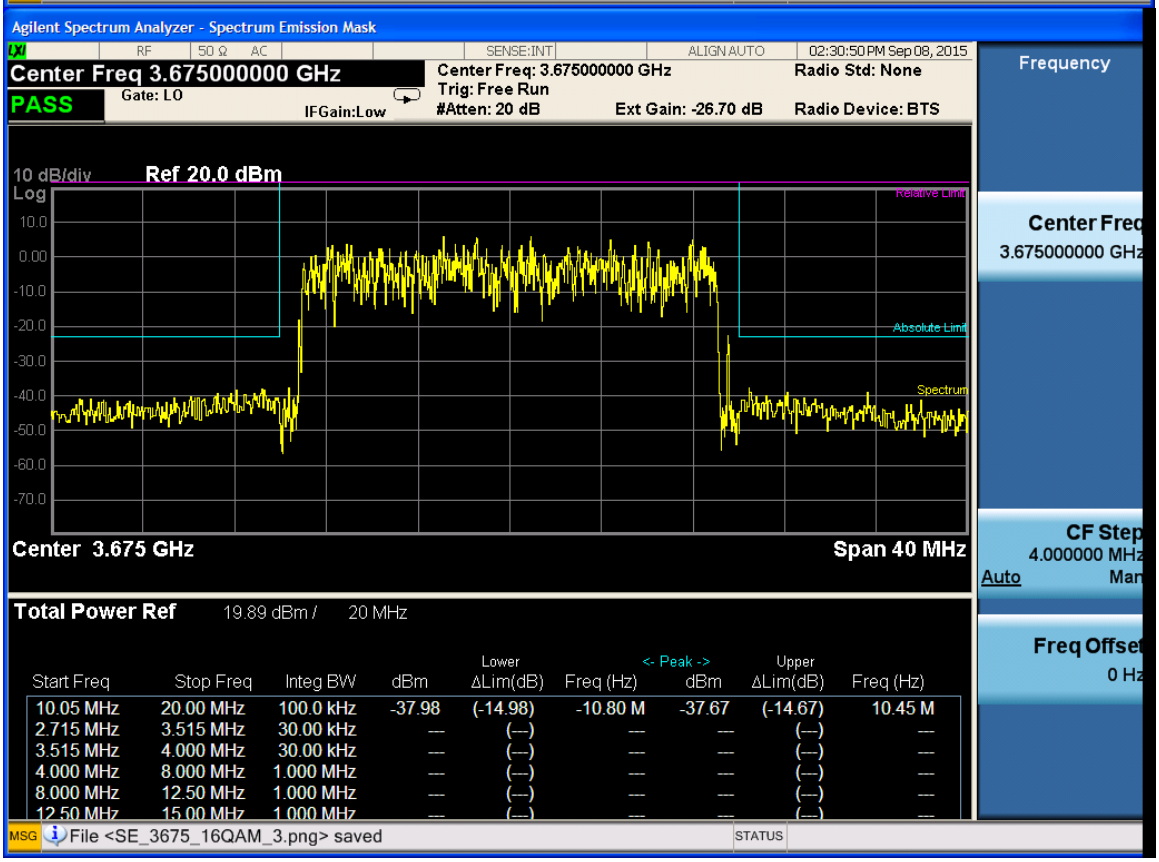

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:32:08 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.98 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -40.22 (-17.22) -13.04 M -38.65 (-15.65) 10.40 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_64QAM_2.png> saved
STATUS

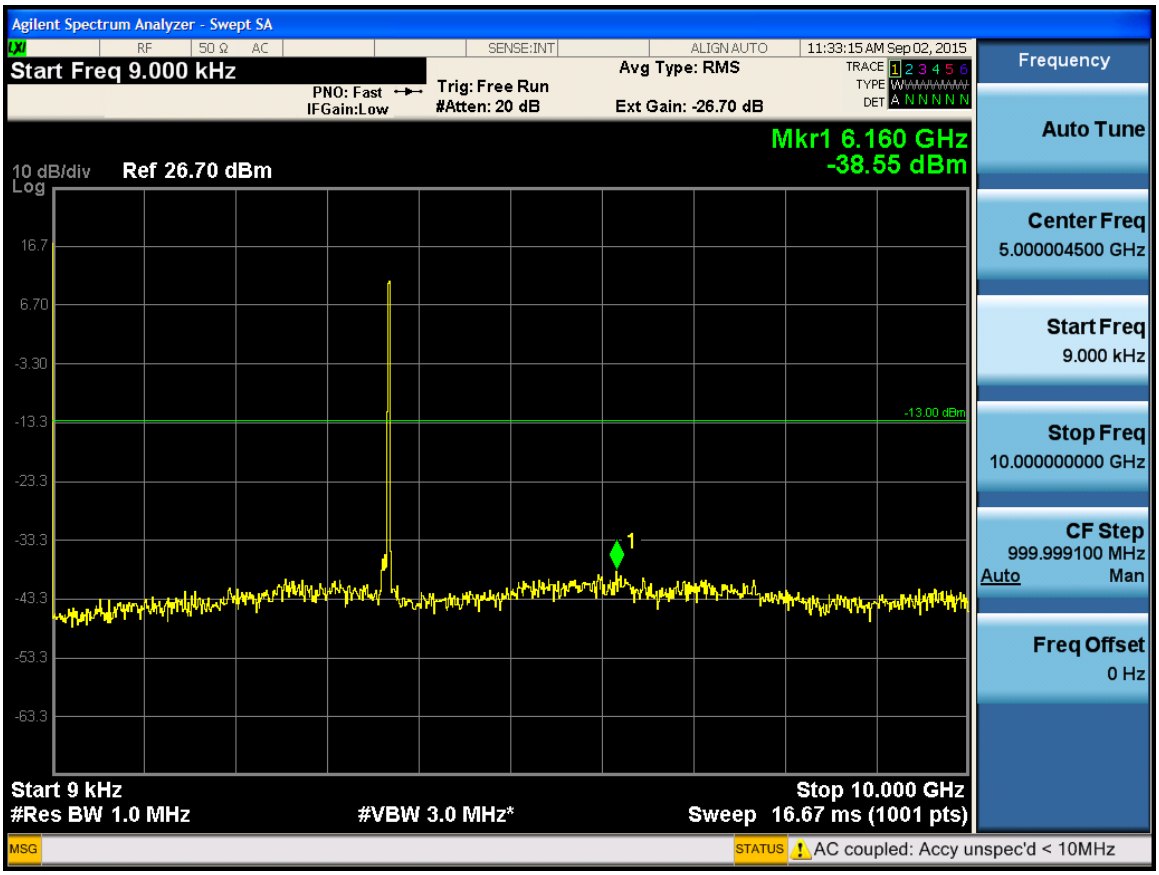

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:30:21 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE WWWWW
DET A N N N N N
Mkr1 5.770 GHz
-39.24 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

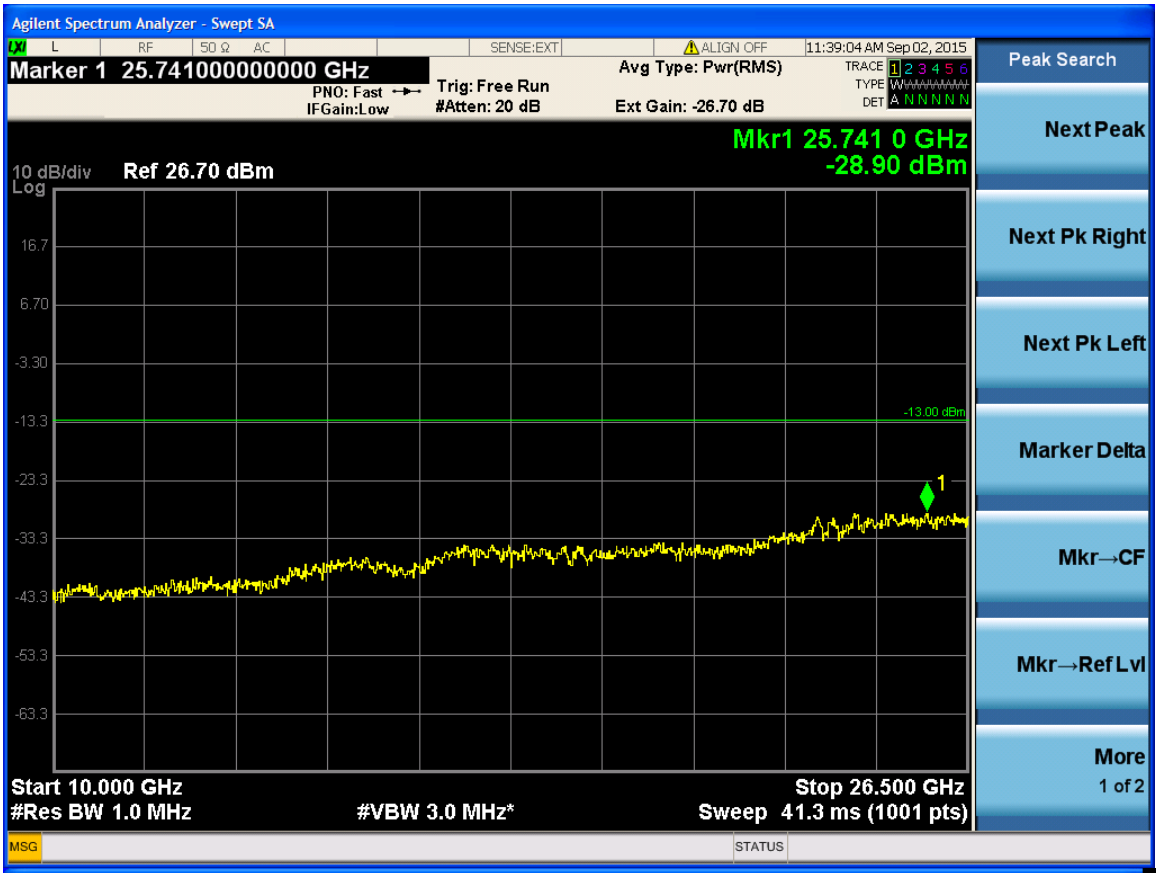

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.114000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:37:40 AM Sep 02, 2015
Mkr1 25.114 0 GHz
-28.31 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 ms (1001 pts)
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
File <SE_3675_10-26.5G_QPSK_3_0000.png> saved
Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:28:40 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.78 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -38.94 (-15.94) -11.59 M -39.68 (-16.68) 11.74 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
File <SE_3675_QPSK_3.png> saved
MSG
STATUS

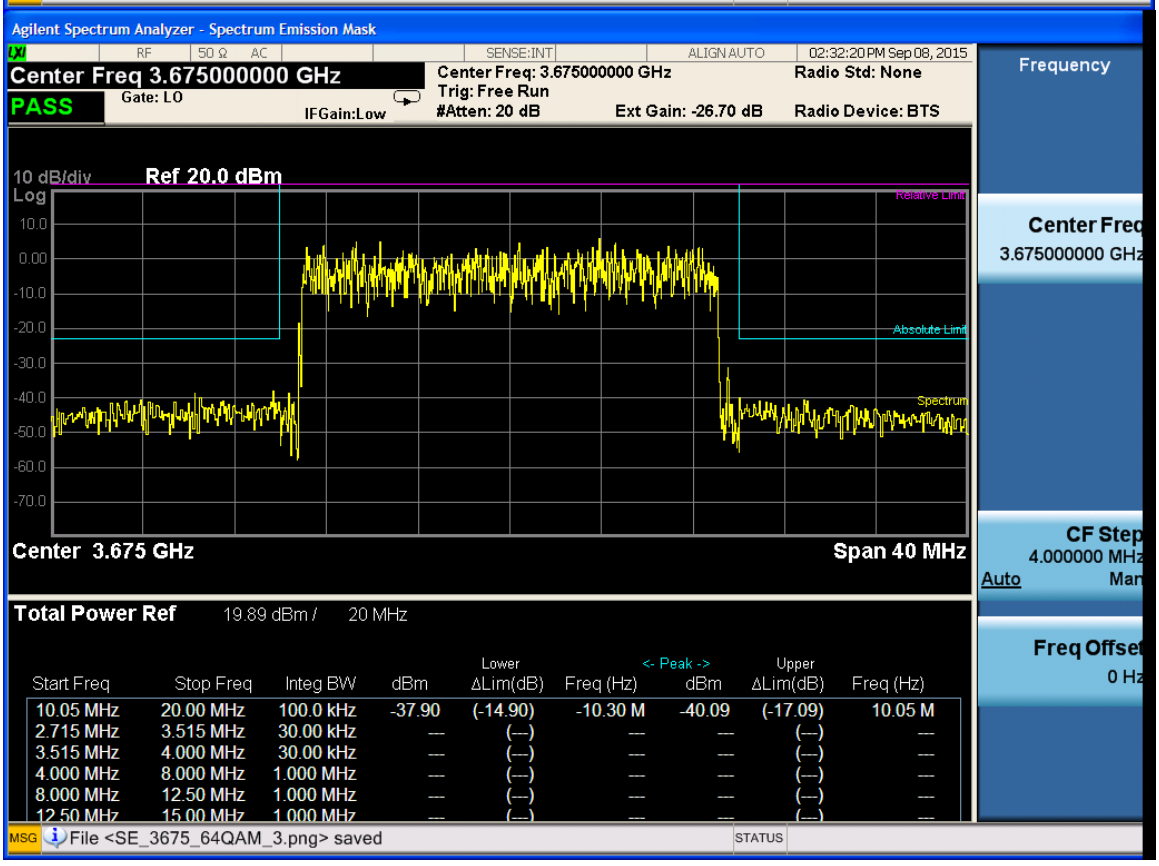

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:31:49 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE WWWWW
DET A N N N N N
Mkr1 6.290 GHz
-39.29 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

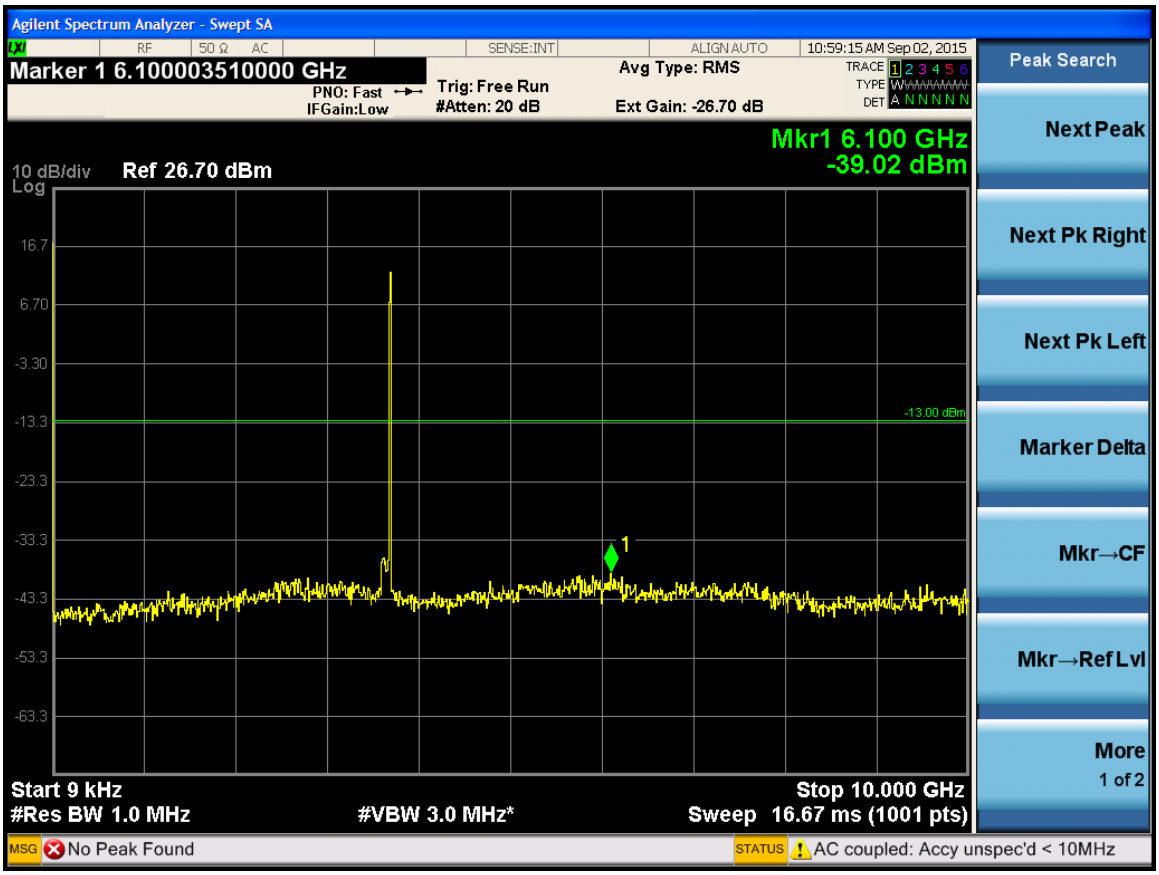

Agilent Spectrum Analyzer - Swept SA
Marker 1 26.318500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:38:23 AM Sep 02, 2015
Mkr1 26.318 5 GHz
-28.65 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

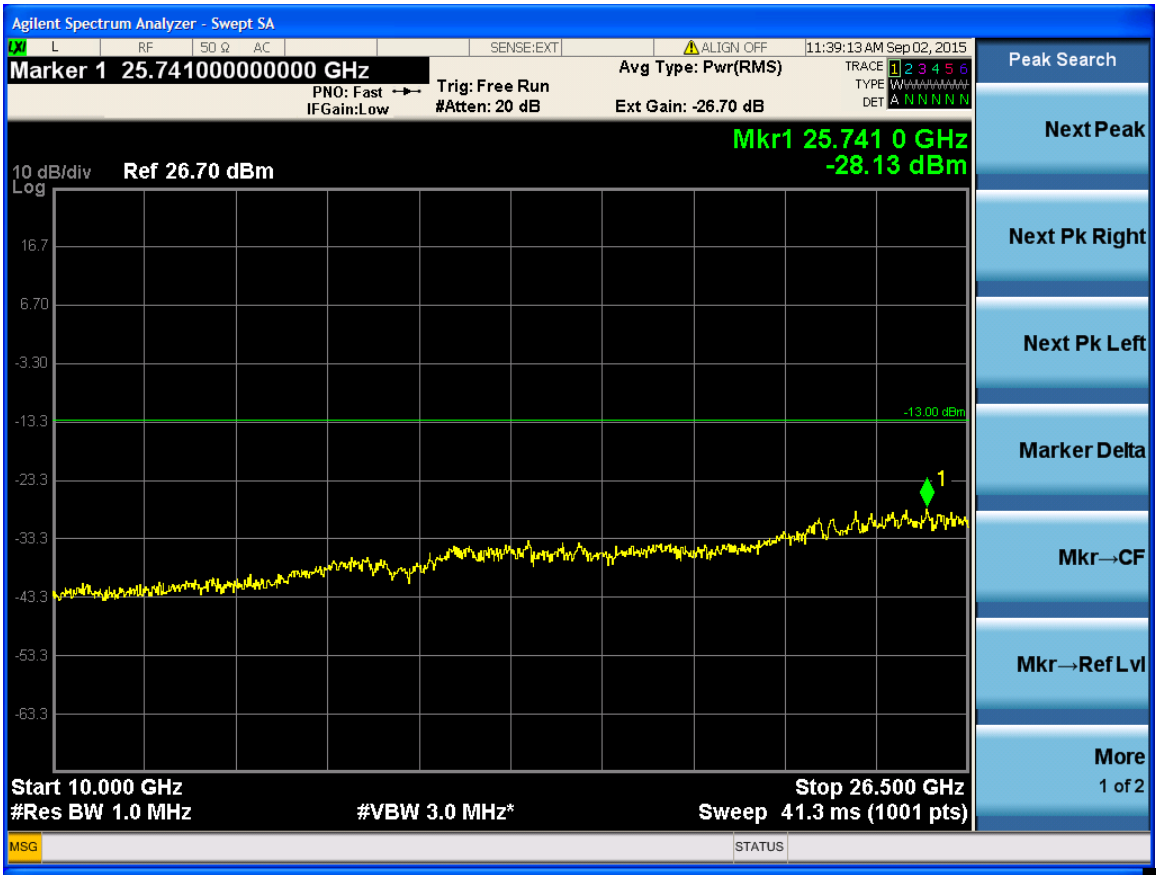

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:30:50 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.89 dBm / 20 MHz
Lower
<- Peak ->
Upper
Start Freq Stop Freq Integ BW dBm ΔLim(dB) Freq (Hz) dBm ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -37.98 (-14.98) -10.80 M -37.67 (-14.67) 10.45 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_16QAM_3.png> saved
STATUS

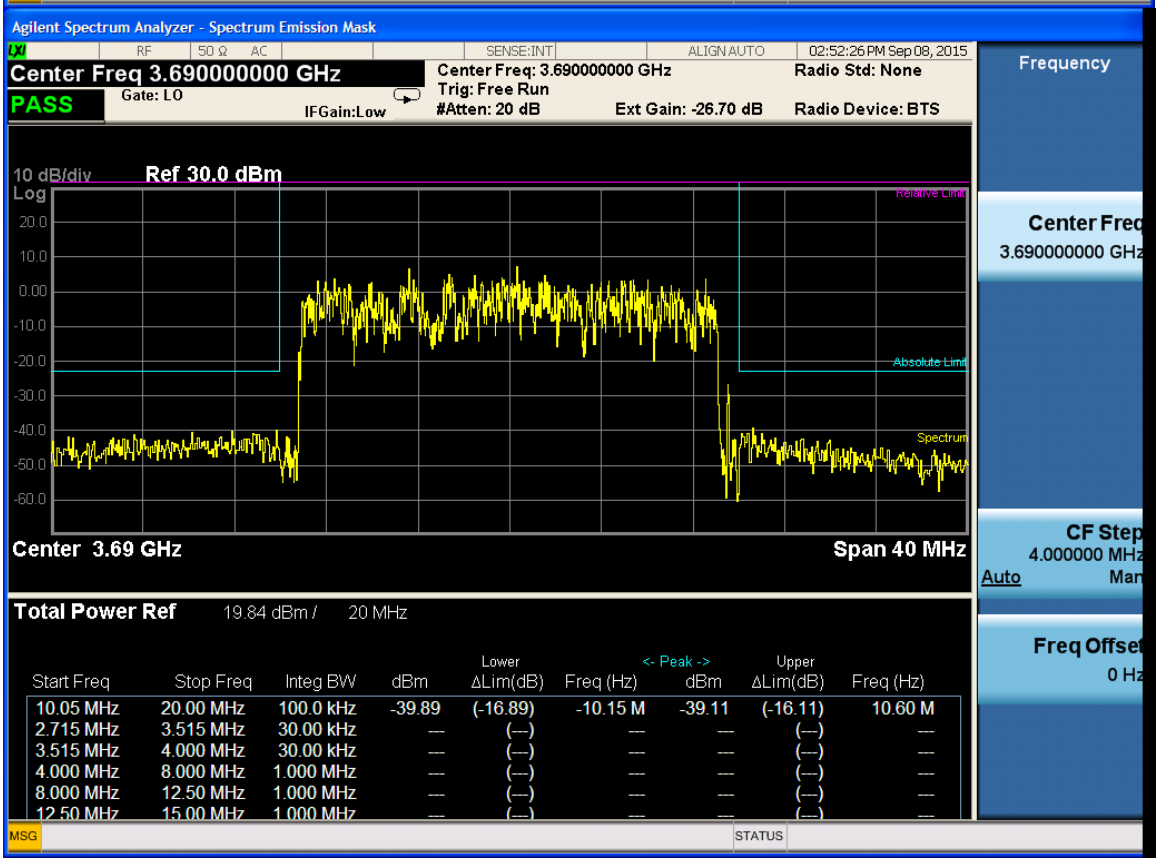

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:33:15 AM Sep 02, 2015
Start Freq 9.000 kHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 6.160 GHz
-38.55 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Frequency
Auto Tune
Center Freq
5.000004500 GHz
Start Freq
9.000 kHz
Stop Freq
10.000000000 GHz
CF Step
999.999100 MHz
Auto
Man
Freq Offset
0 Hz

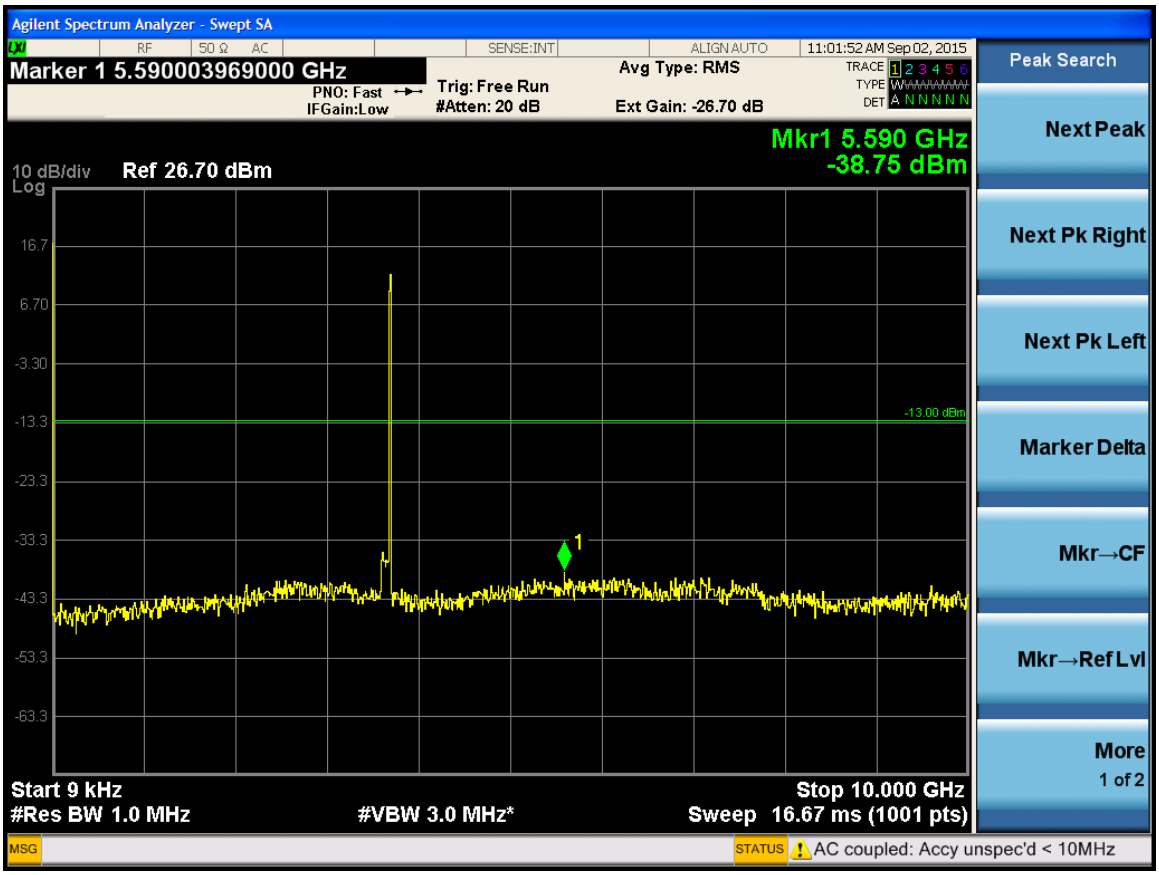

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.741000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:39:04 AM Sep 02, 2015
Mkr1 25.741 0 GHz
-28.90 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

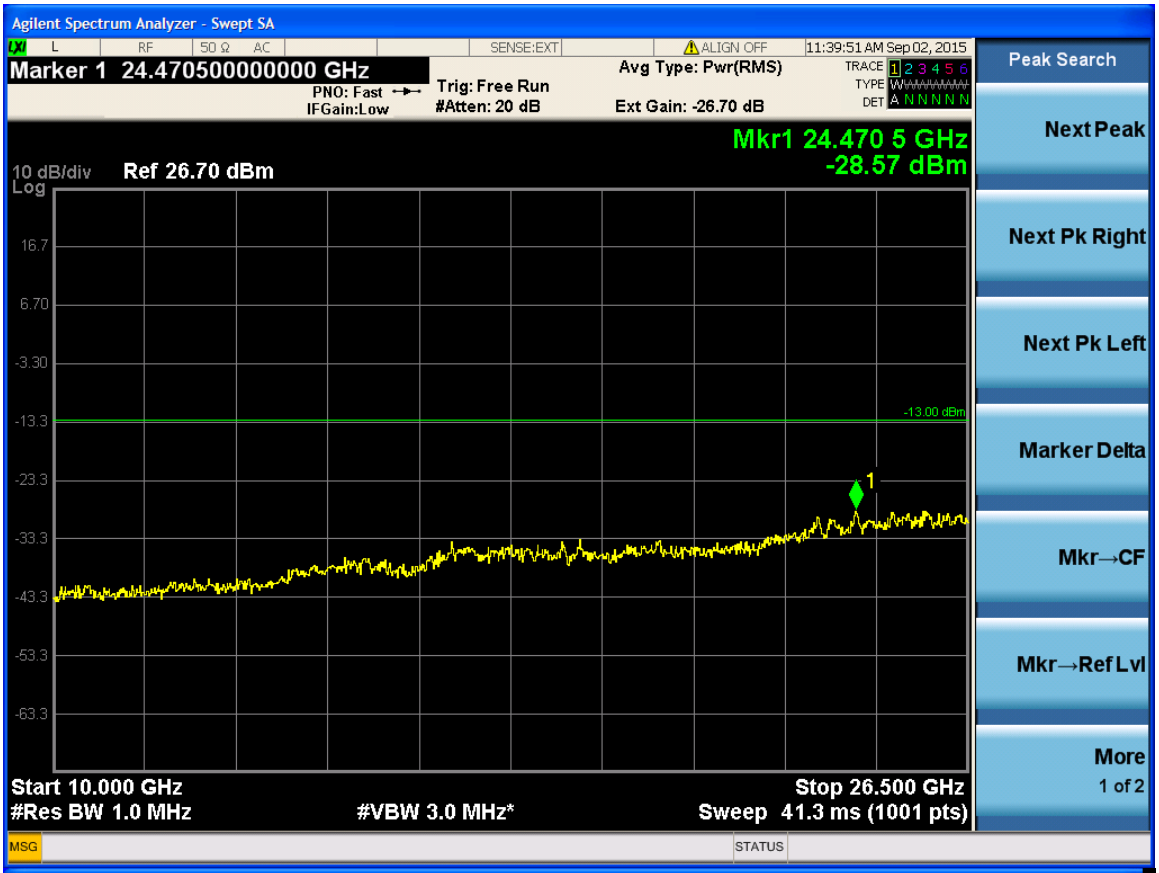

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.675000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.675000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:32:20 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 20.0 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Relative Limit
Absolute Limit
Spectrum
Center 3.675 GHz
Span 40 MHz
Total Power Ref 19.89 dBm / 20 MHz
Start Freq Stop Freq Integ BW dBm Lower ΔLim(dB) Freq (Hz) <- Peak -> dBm Upper ΔLim(dB) Freq (Hz)
10.05 MHz 20.00 MHz 100.0 kHz -37.90 (-14.90) -10.30 M -40.09 (-17.09) 10.05 M
2.715 MHz 3.515 MHz 30.00 kHz --- (---) --- --- (---) ---
3.515 MHz 4.000 MHz 30.00 kHz --- (---) --- --- (---) ---
4.000 MHz 8.000 MHz 1.000 MHz --- (---) --- --- (---) ---
8.000 MHz 12.50 MHz 1.000 MHz --- (---) --- --- (---) ---
12.50 MHz 15.00 MHz 1.000 MHz --- (---) --- --- (---) ---
Frequency
Center Freq
3.675000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3675_64QAM_3.png> saved
STATUS

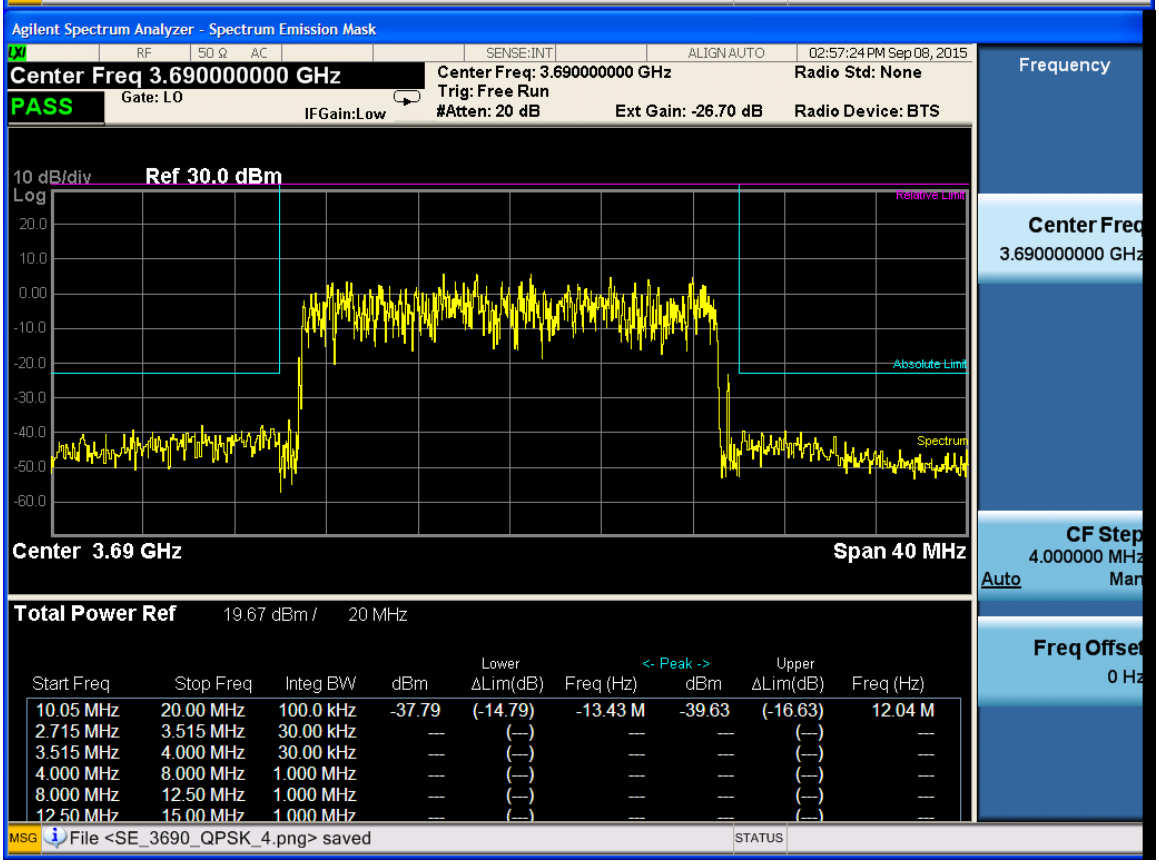

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
10:59:15 AM Sep 02, 2015
Marker 1 6.100003510000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 6.100 GHz
-39.02 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
No Peak Found
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

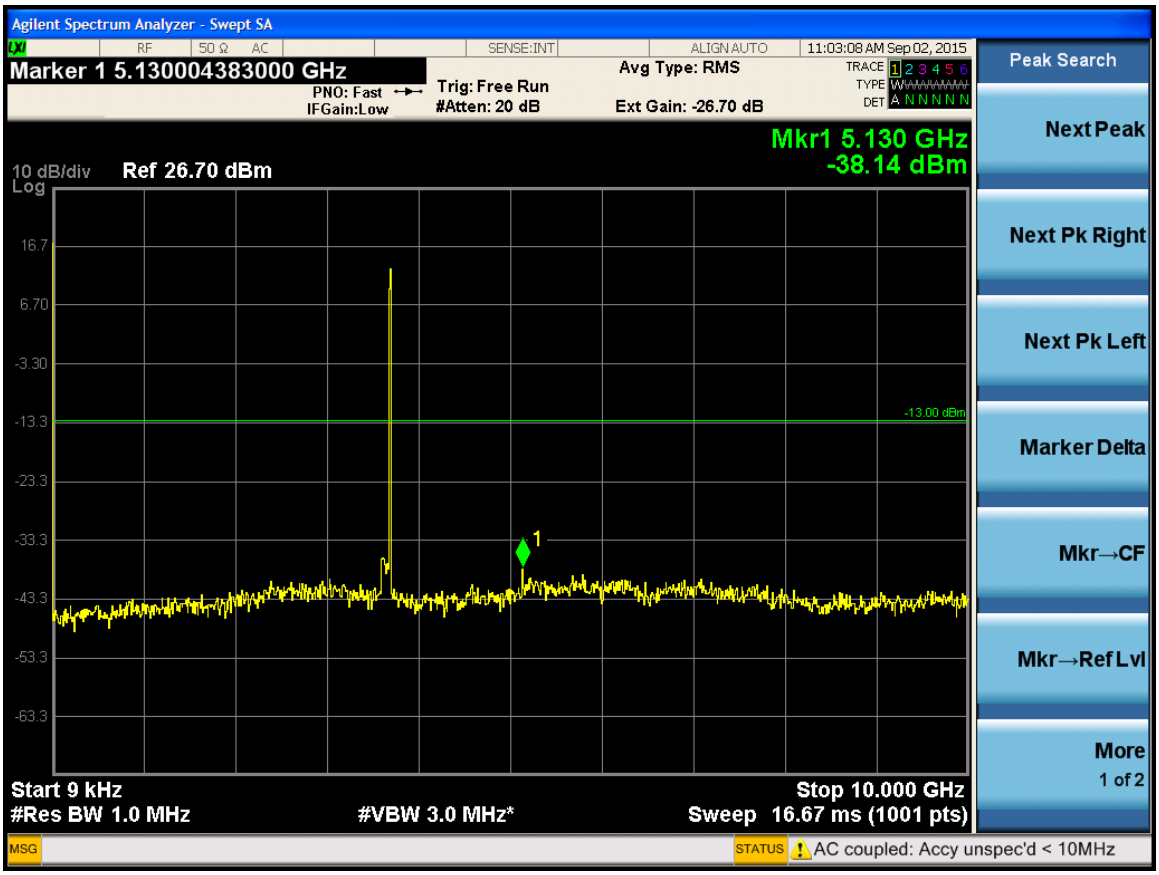

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.741000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:39:13 AM Sep 02, 2015
Mkr1 25.741 0 GHz
-28.13 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

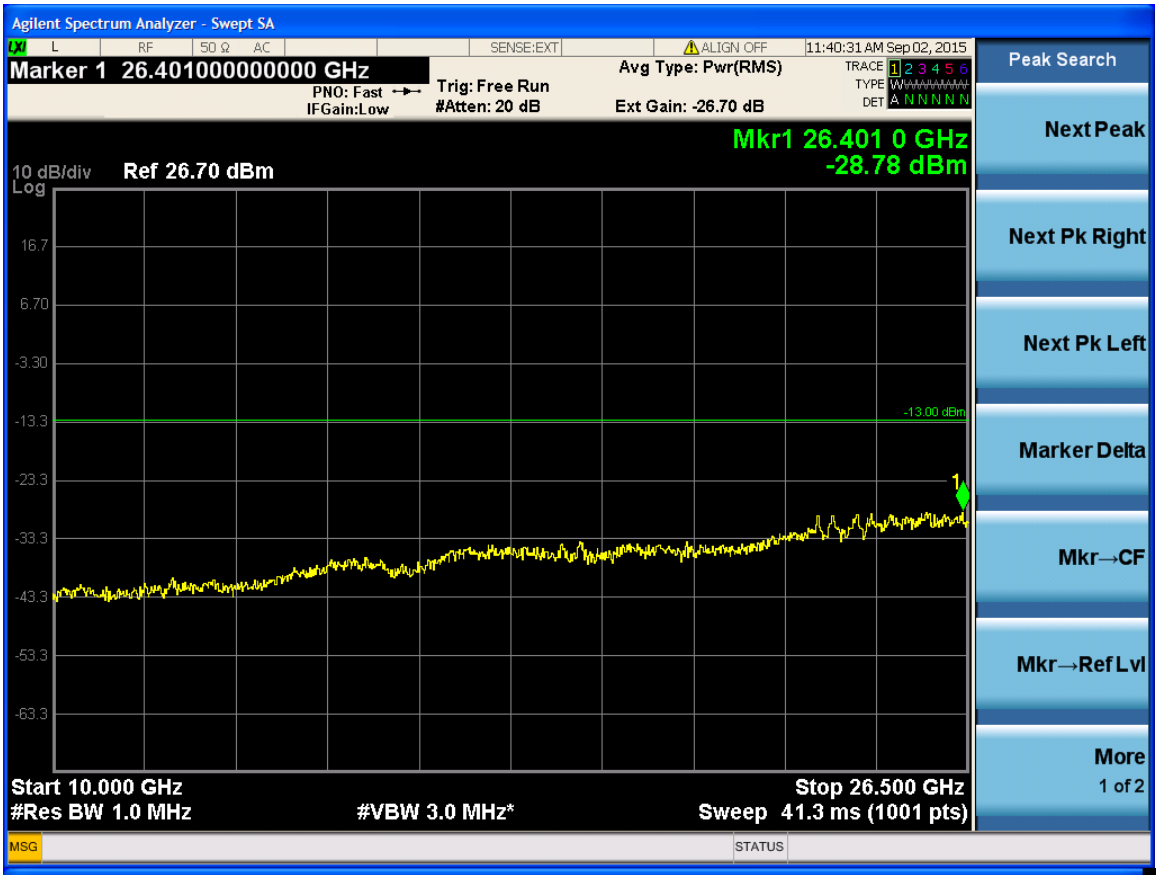

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:52:26 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.84 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -39.89 | (-16.89) | -10.15 M | -39.11 | (-16.11) | 10.60 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

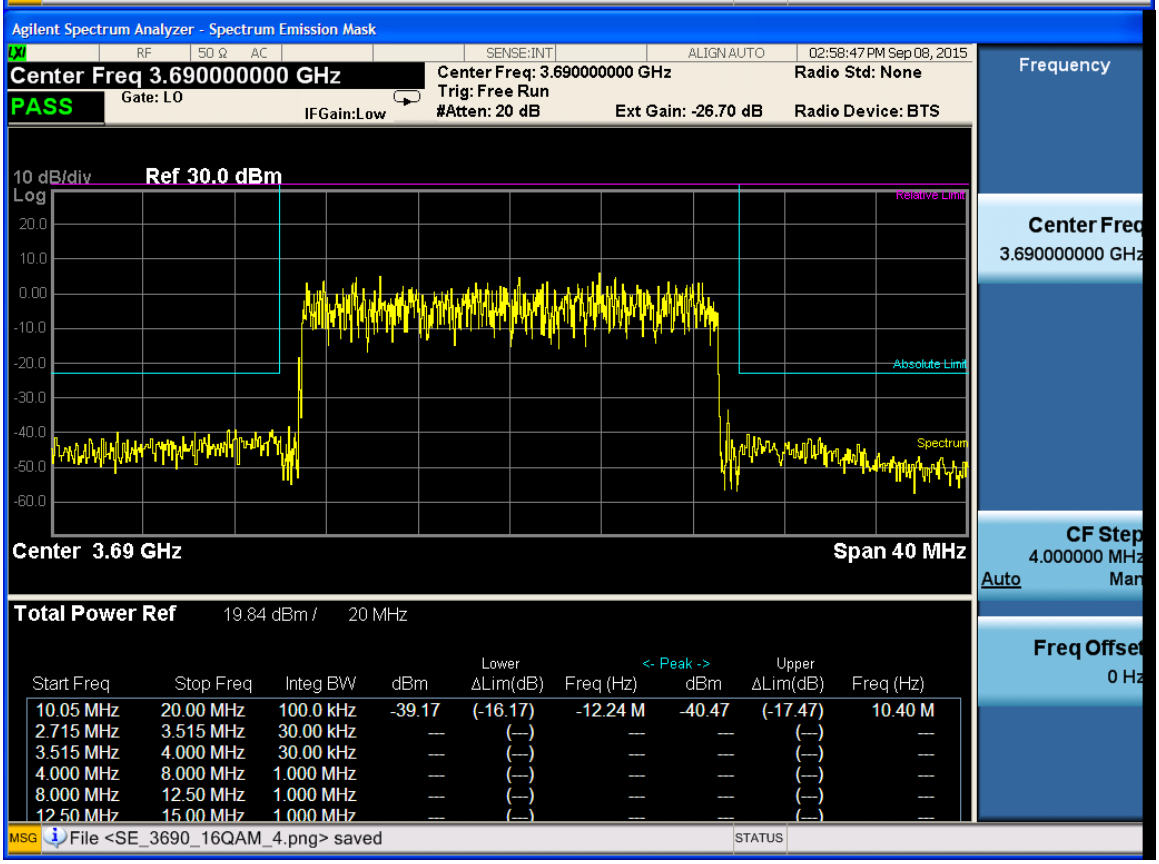

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:01:52 AM Sep 02, 2015
Marker 1 5.590003969000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.590 GHz
-38.75 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 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
AC coupled: Accy unspec'd < 10MHz

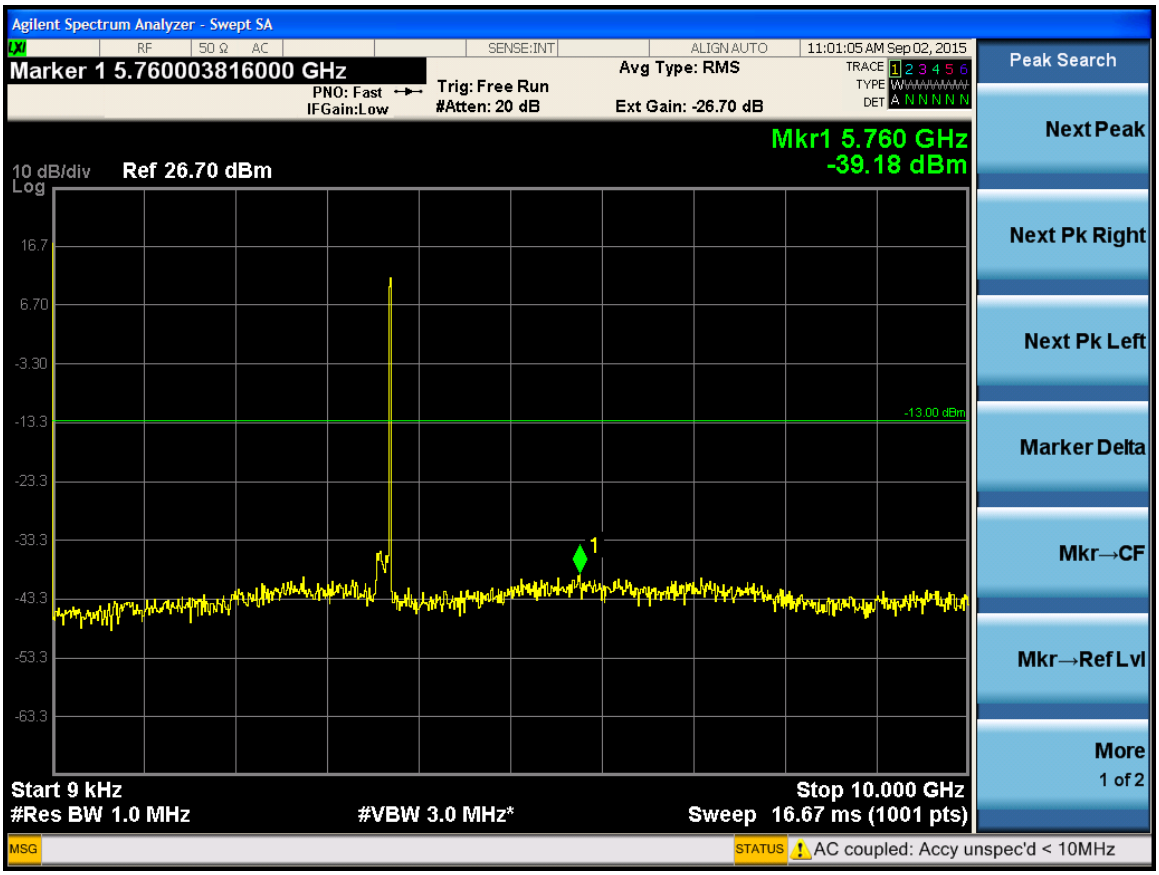

Agilent Spectrum Analyzer - Swept SA
Marker 1 24.470500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:39:51 AM Sep 02, 2015
Mkr1 24.470 5 GHz
-28.57 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

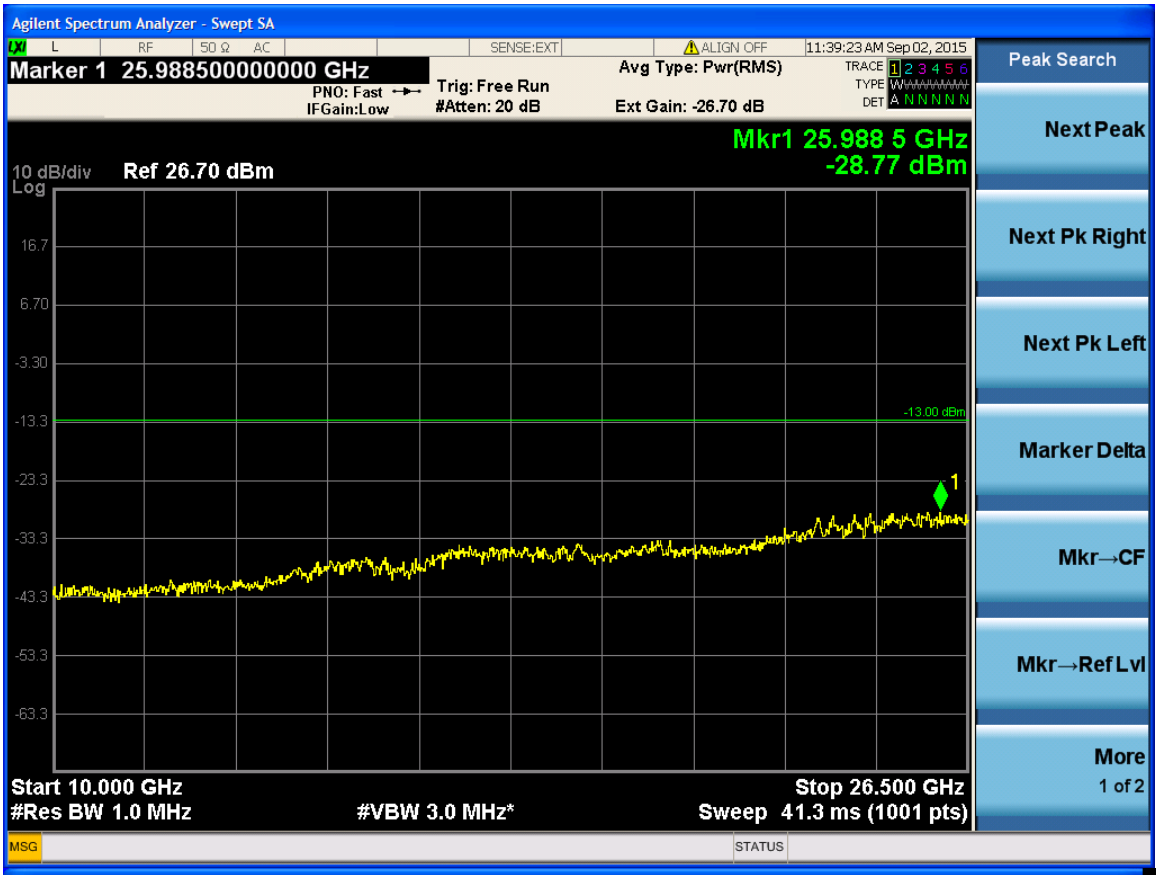

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:57:24 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.67 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -37.79 | (-14.79) | -13.43 M | -39.63 | (-16.63) | 12.04 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_QPSK_4.png> saved
STATUS

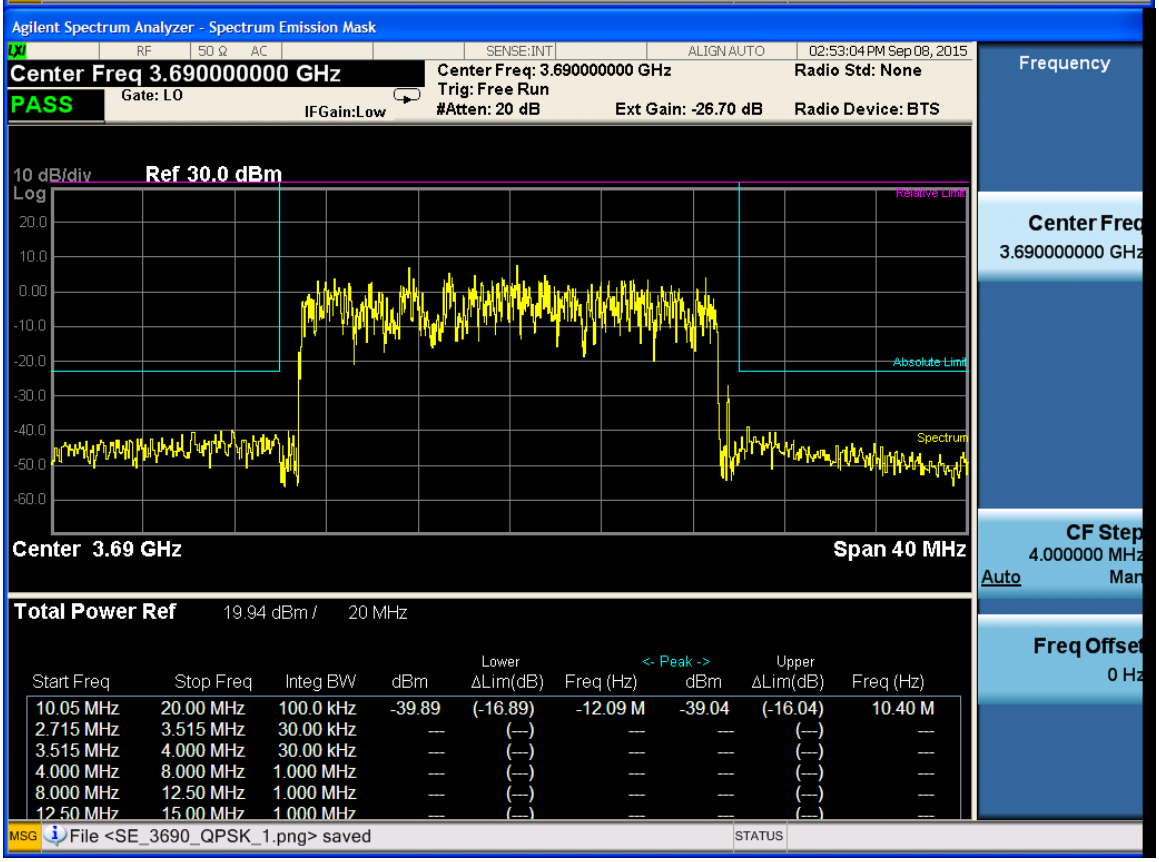

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:03:08 AM Sep 02, 2015
Marker 1 5.130004383000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.130 GHz
-38.14 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

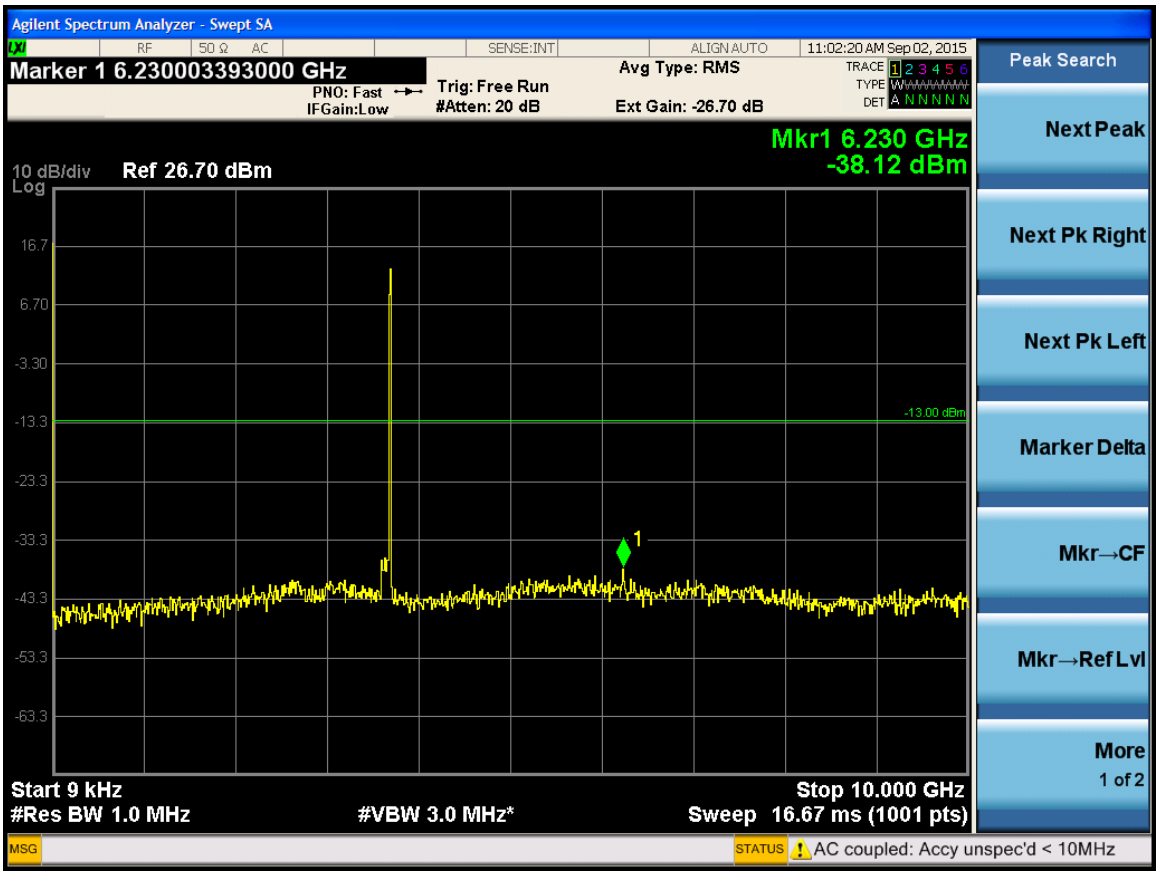

Agilent Spectrum Analyzer - Swept SA
Marker 1 26.401000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:40:31 AM Sep 02, 2015
Mkr1 26.401 0 GHz
-28.78 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

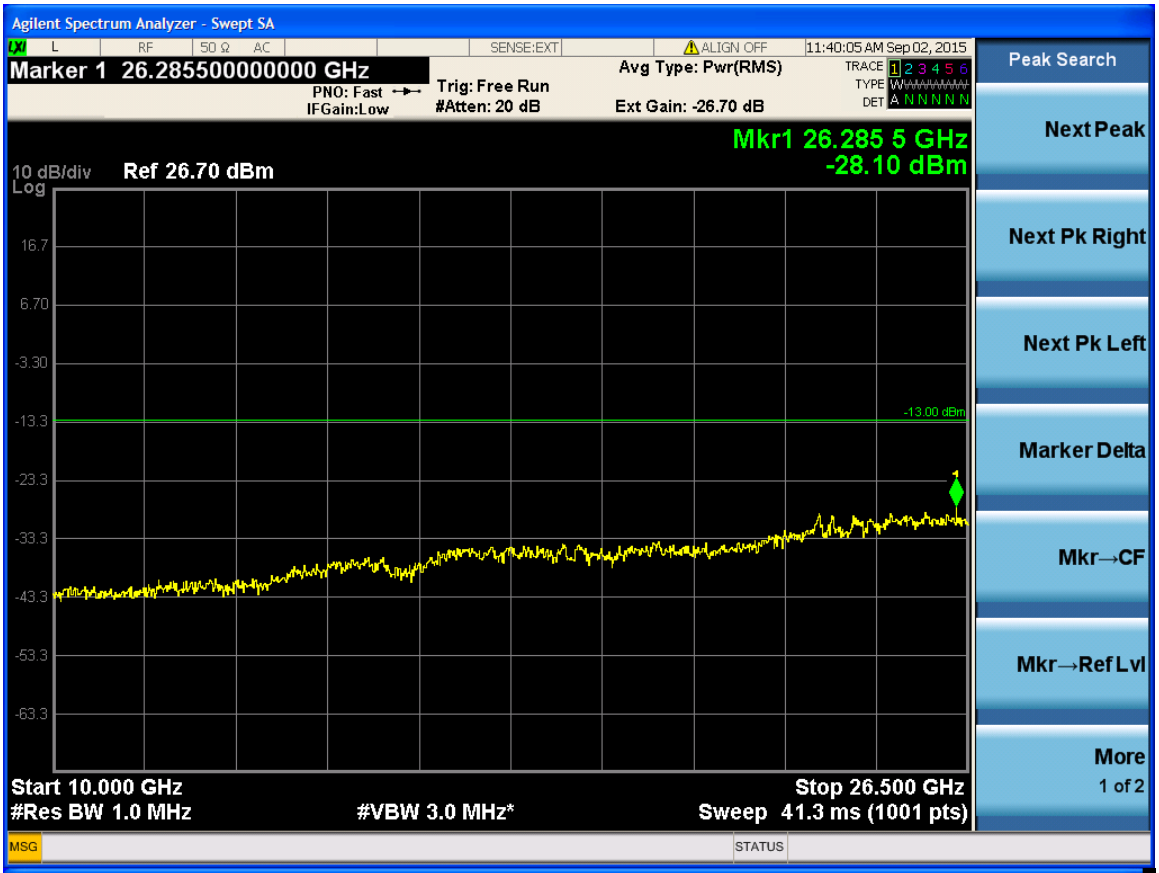

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:58:47 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.84 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -39.17 | (-16.17) | -12.24 M | -40.47 | (-17.47) | 10.40 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_16QAM_4.png> saved
STATUS

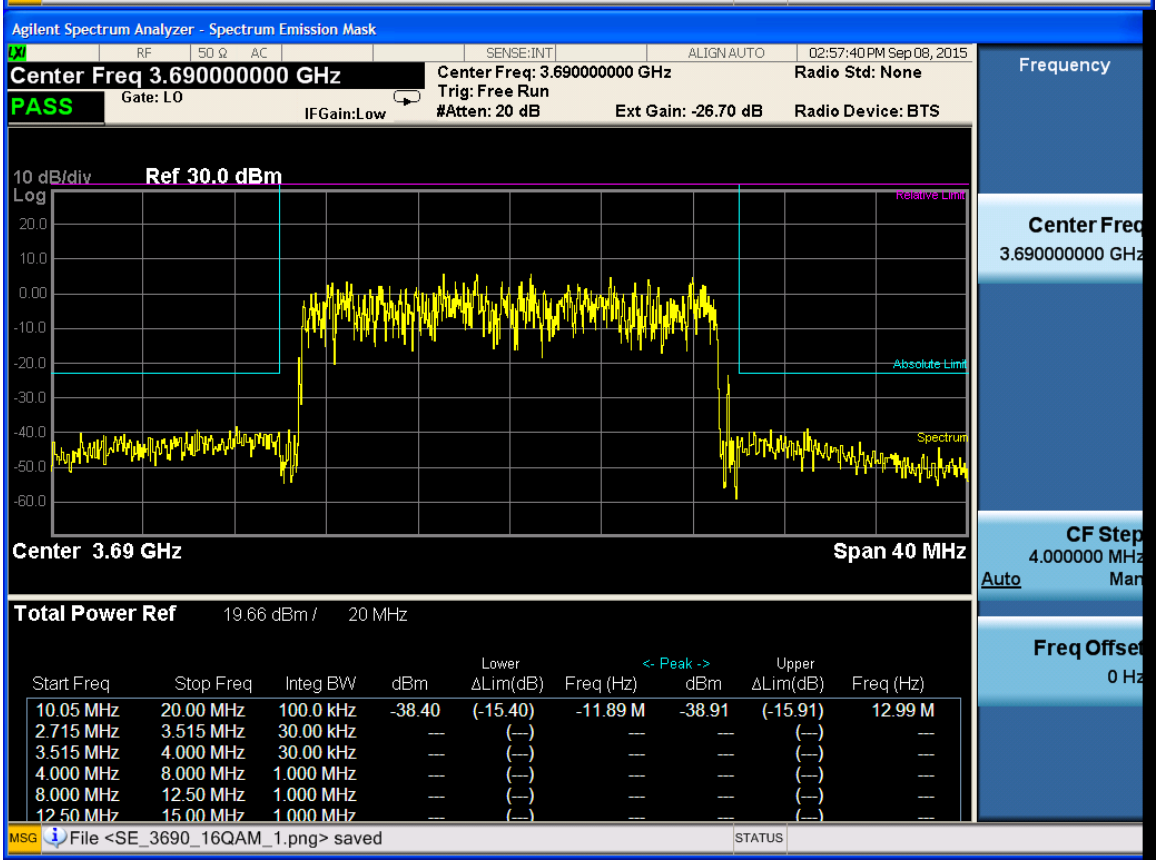

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:01:05 AM Sep 02, 2015
Marker 1 5.760003816000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.760 GHz
-39.18 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

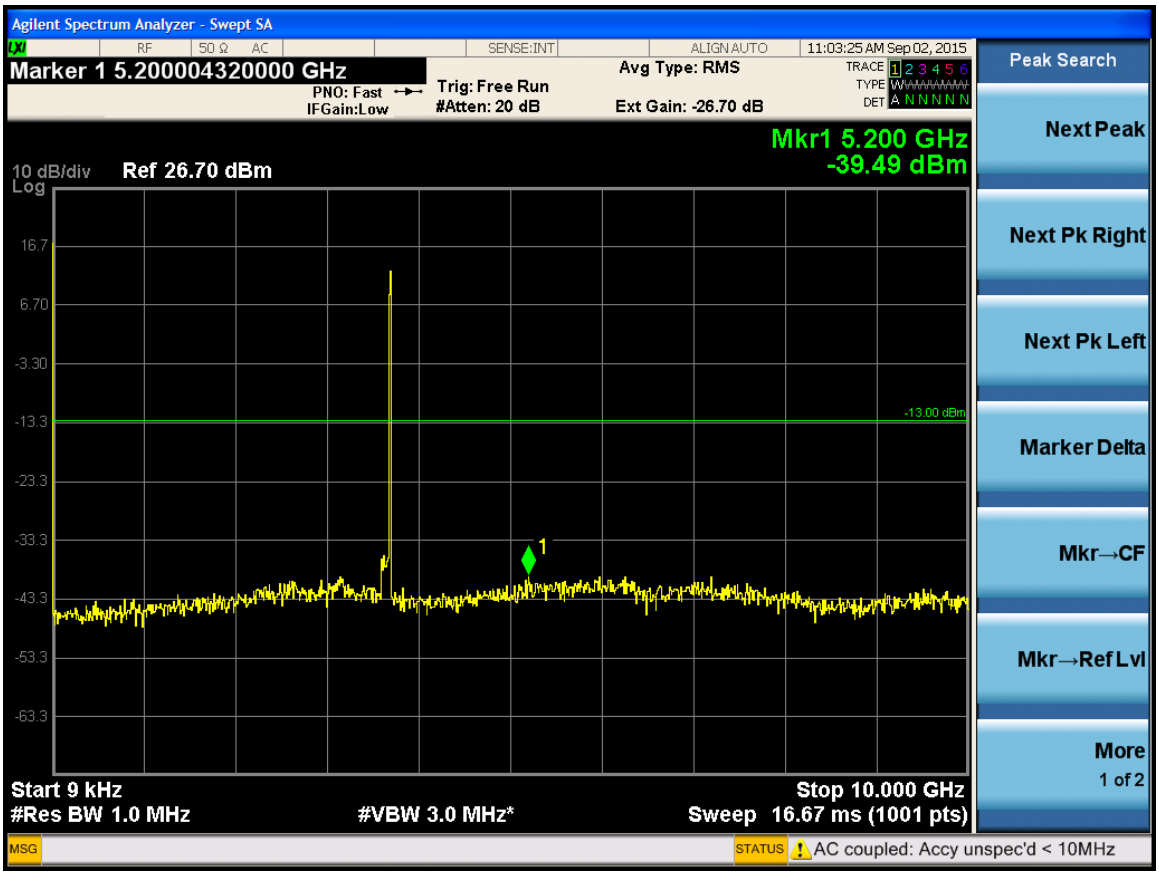

Agilent Spectrum Analyzer - Swept SA
Marker 1 25.988500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:39:23 AM Sep 02, 2015
Mkr1 25.988 5 GHz
-28.77 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

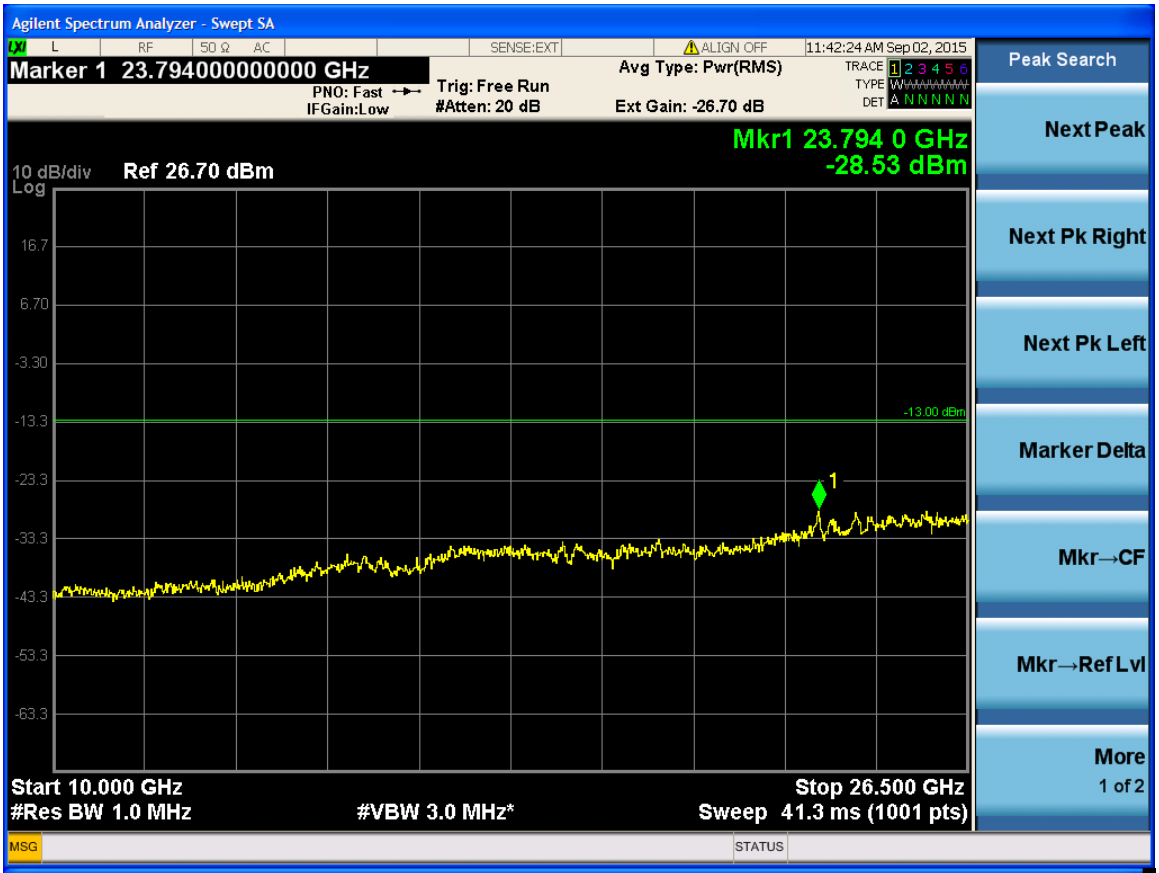

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:53:04 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.94 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -39.89 | (-16.89) | -12.09 M | -39.04 | (-16.04) | 10.40 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_QPSK_1.png> saved
STATUS

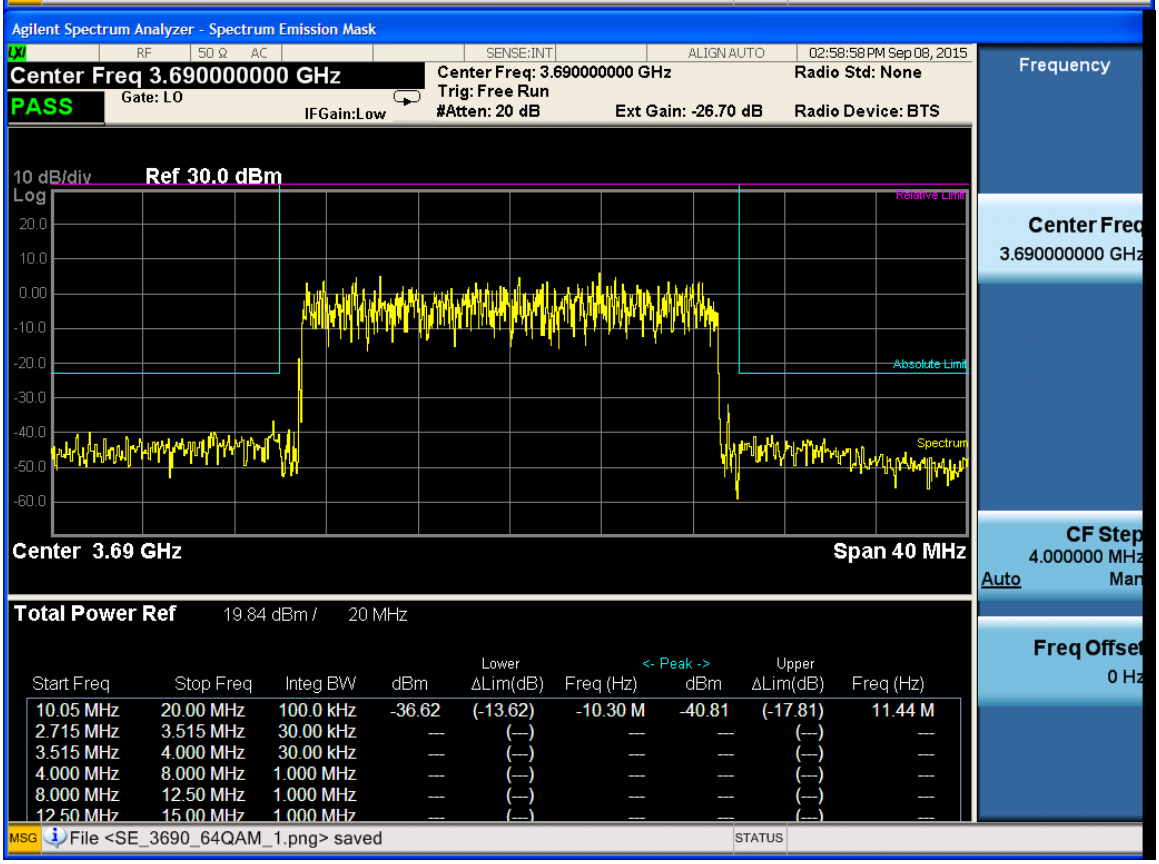

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:02:20 AM Sep 02, 2015
Marker 1 6.230003393000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 6.230 GHz
-38.12 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

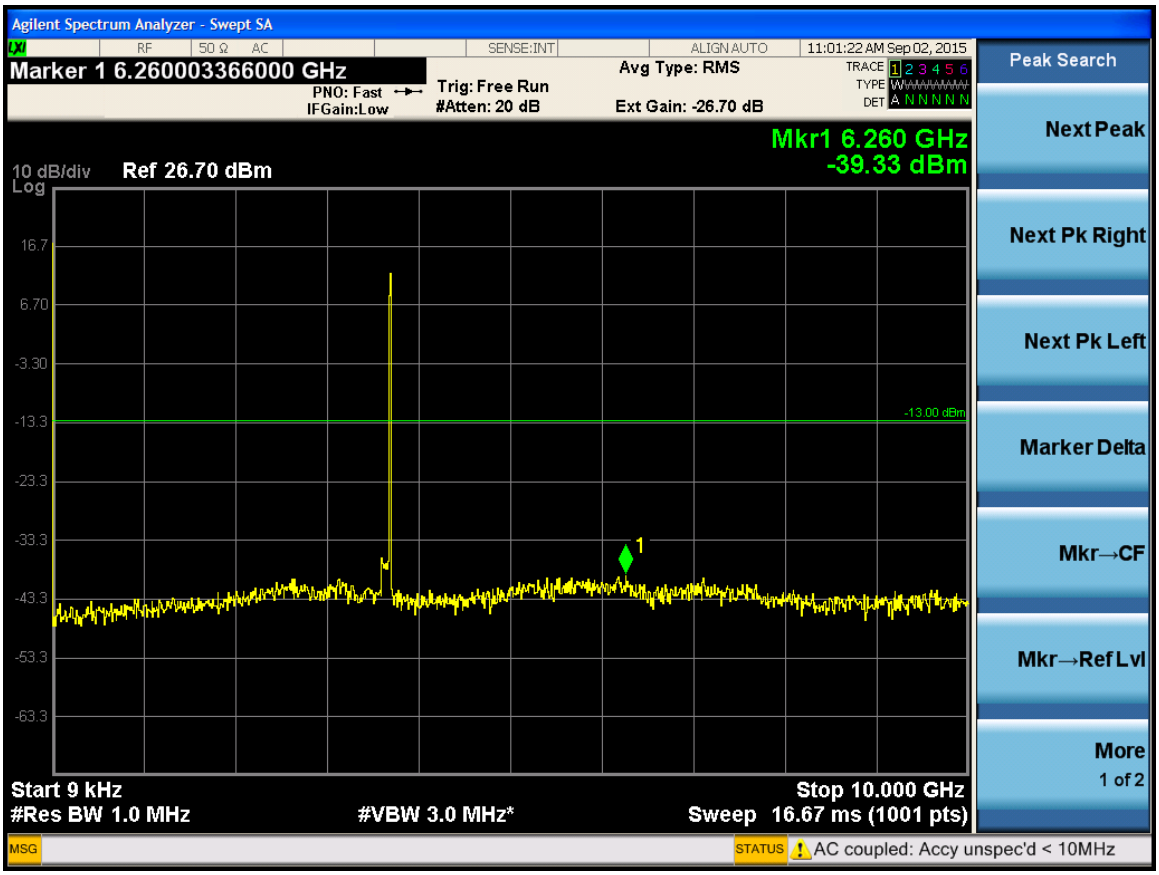

Agilent Spectrum Analyzer - Swept SA
Marker 1 26.285500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:40:05 AM Sep 02, 2015
Mkr1 26.285 5 GHz
-28.10 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

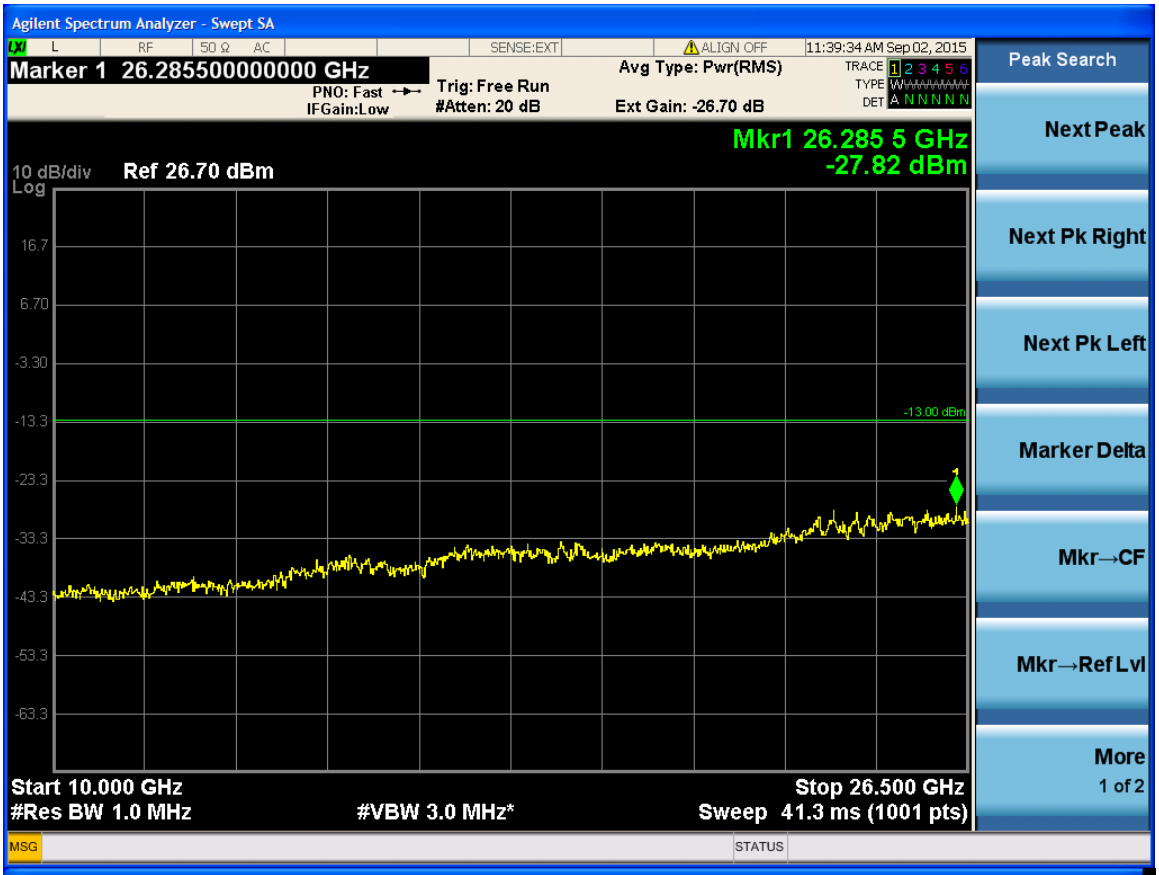

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:57:40 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.66 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -38.40 | (-15.40) | -11.89 M | -38.91 | (-15.91) | 12.99 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_16QAM_1.png> saved
STATUS

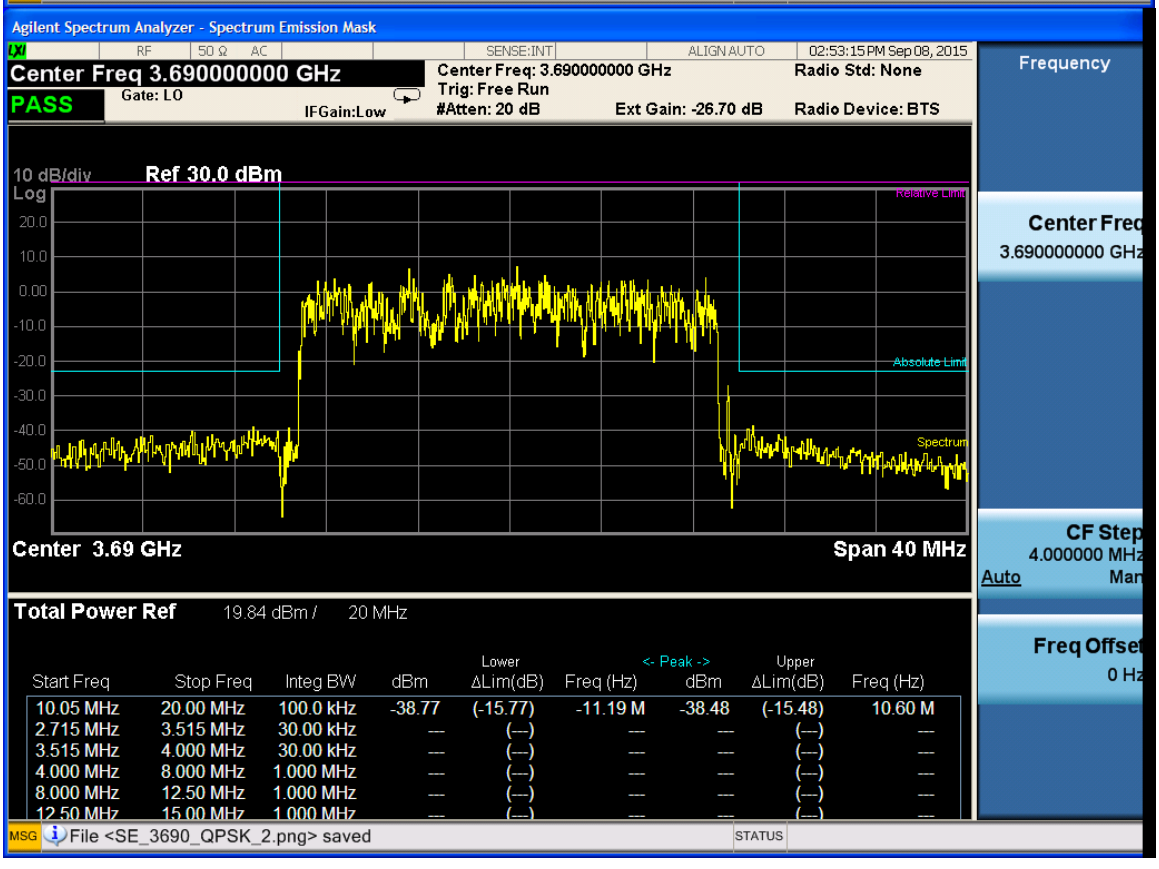

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:03:25 AM Sep 02, 2015
Marker 1 5.200004320000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.200 GHz
-39.49 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

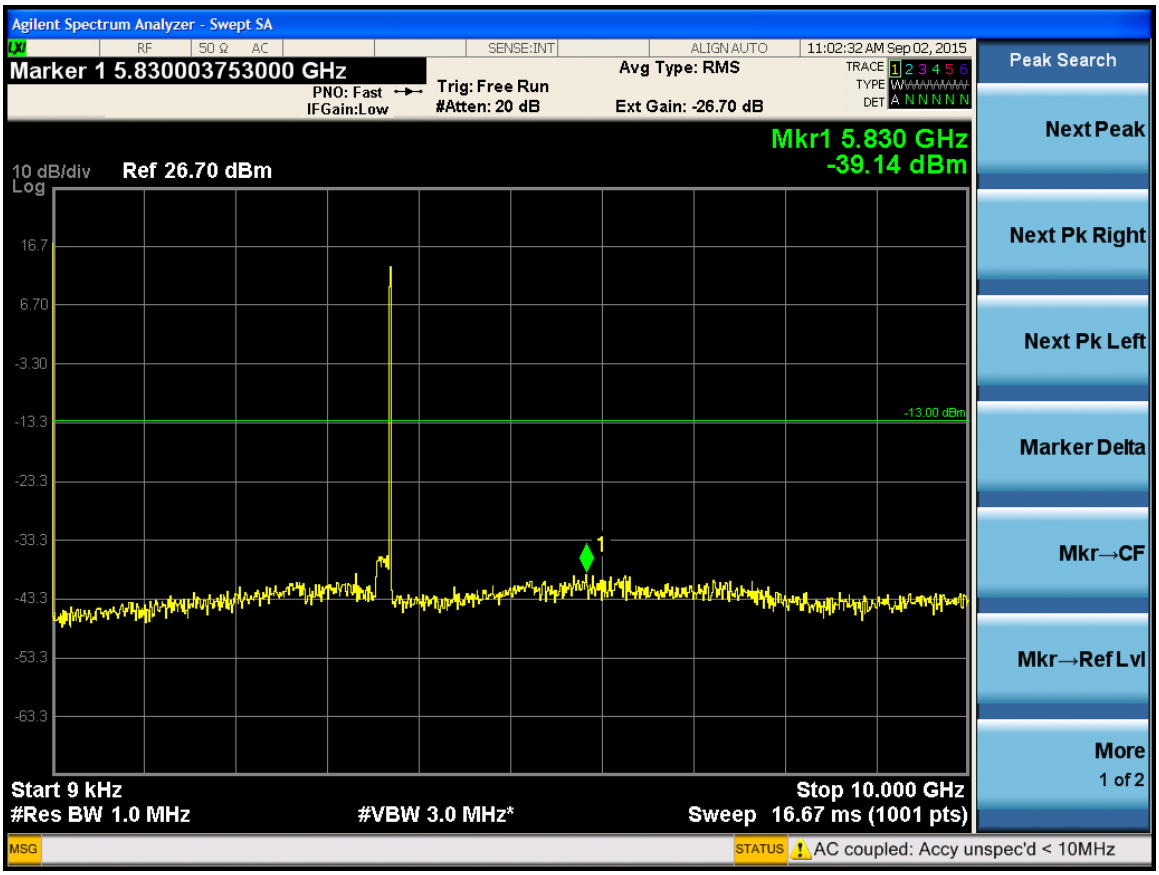

Agilent Spectrum Analyzer - Swept SA
Marker 1 23.794000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:42:24 AM Sep 02, 2015
Mkr1 23.794 0 GHz
-28.53 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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

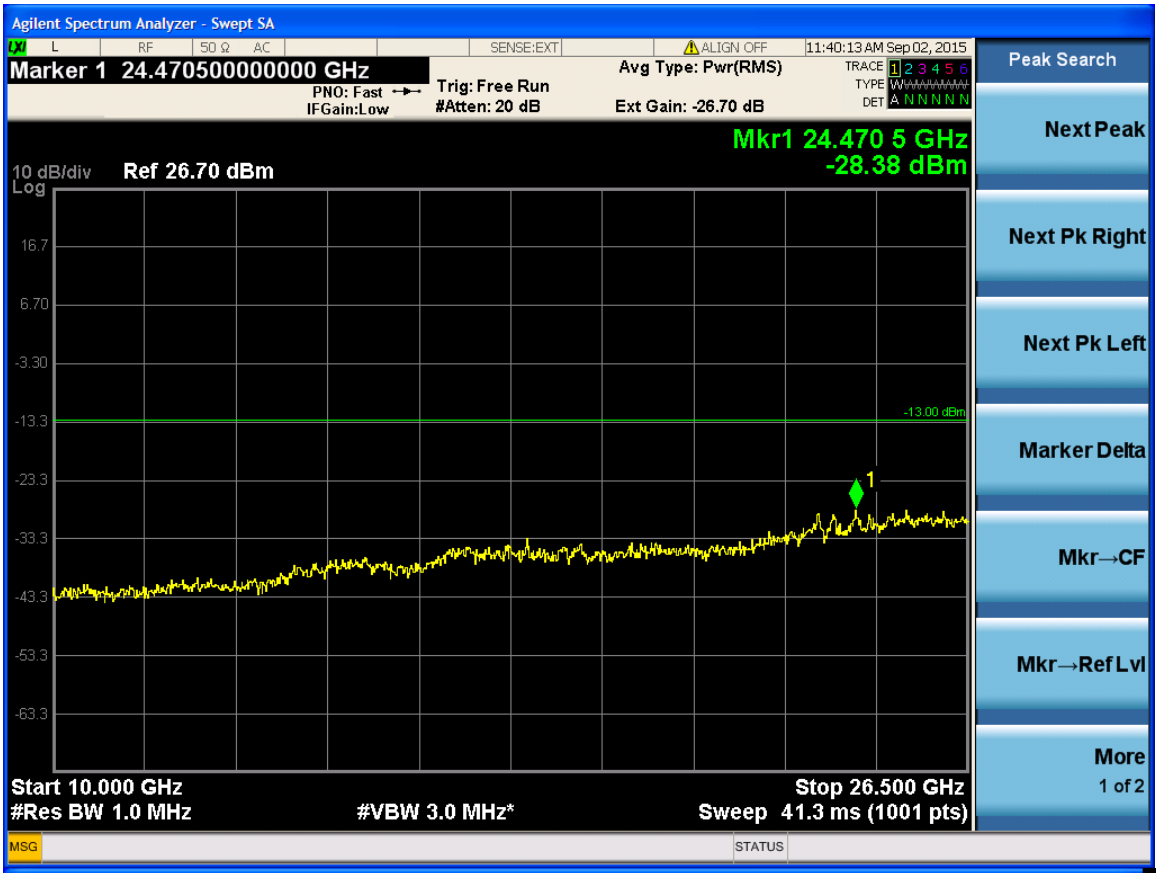

Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:58:58 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.84 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -36.62 | (-13.62) | -10.30 M | -40.81 | (-17.81) | 11.44 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_64QAM_1.png> saved
STATUS

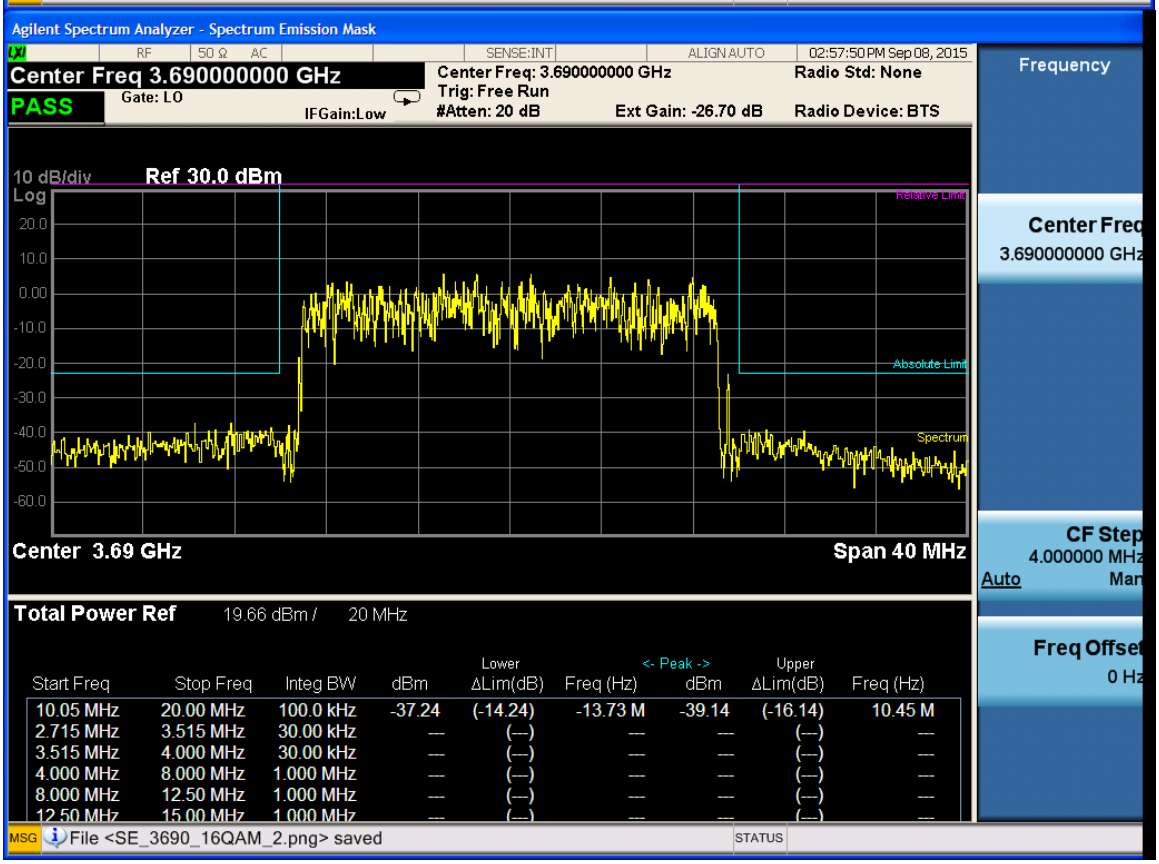

Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:01:22 AM Sep 02, 2015
Marker 1 6.260003366000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 6.260 GHz
-39.33 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
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
Marker 1 26.285500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:39:34 AM Sep 02, 2015
Mkr1 26.285 5 GHz
-27.82 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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


Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:53:15 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.84 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -38.77 | (-15.77) | -11.19 M | -38.48 | (-15.48) | 10.60 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_QPSK_2.png> saved
STATUS


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
11:02:32 AM Sep 02, 2015
Marker 1 5.830003753000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Ext Gain: -26.70 dB
TRACE 1 2 3 4 5 6
TYPE W
DET A N N N N N
Mkr1 5.830 GHz
-39.14 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
1
Start 9 kHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
Sweep 16.67 ms (1001 pts)
MSG
STATUS
AC coupled: Accy unspec'd < 10MHz
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
Marker 1 24.470500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Pwr(RMS)
Ext Gain: -26.70 dB
11:40:13 AM Sep 02, 2015
Mkr1 24.470 5 GHz
-28.38 dBm
10 dB/div
Log
Ref 26.70 dBm
16.7
6.70
-3.30
-13.3
-23.3
-33.3
-43.3
-53.3
-63.3
-13.00 dBm
Start 10.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.500 GHz
Sweep 41.3 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


Agilent Spectrum Analyzer - Spectrum Emission Mask
Center Freq 3.690000000 GHz
PASS
Gate: LO
IFGain:Low
Center Freq: 3.690000000 GHz
Trig: Free Run
#Atten: 20 dB
Ext Gain: -26.70 dB
02:57:50 PM Sep 08, 2015
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30.0 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Relative Limit
Absolute Limit
Spectrum
Center 3.69 GHz
Span 40 MHz
Total Power Ref 19.66 dBm / 20 MHz
Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Freq (Hz)
10.05 MHz | 20.00 MHz | 100.0 kHz | -37.24 | (-14.24) | -13.73 M | -39.14 | (-16.14) | 10.45 M
2.715 MHz | 3.515 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
3.515 MHz | 4.000 MHz | 30.00 kHz | --- | (---) | --- | --- | (---) | ---
4.000 MHz | 8.000 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
8.000 MHz | 12.50 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
12.50 MHz | 15.00 MHz | 1.000 MHz | --- | (---) | --- | --- | (---) | ---
Frequency
Center Freq
3.690000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
File <SE_3690_16QAM_2.png> saved
STATUS