

Product	CBS 3.65GHz		
Test Item	Conducted Spurious Emission		
Test Mode	Mode 9: Transmit (7MHz BW_64QAM5/6)		
Date of Test	2011/11/19	Test Site	SR7

Test Mode: 7MHz 64QAM Ant0

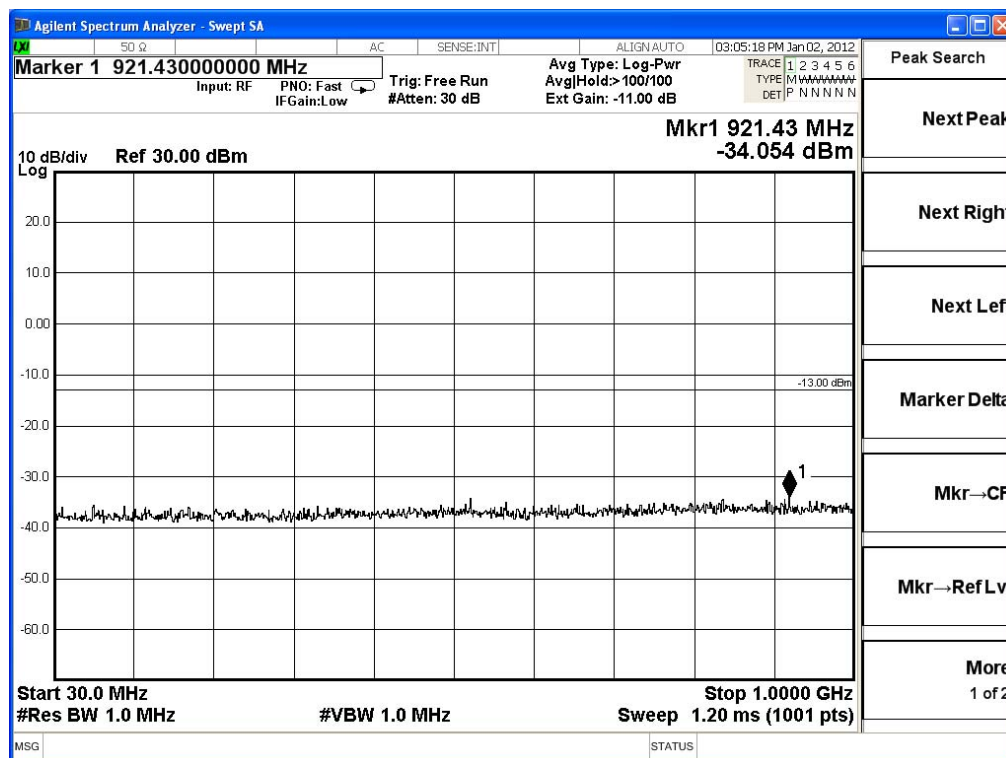
Test Frequency: 3653.5MHz			
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	921.43	-34.054	≤ -13
1000-6000	3735.00	-22.414	≤ -13
6000-18000	17772.00	-29.899	≤ -13
18000-26500	26117.50	-22.627	≤ -13

Test Frequency: 3662.5MHz			
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	788.54	-33.510	≤ -13
1000-6000	3745.00	-22.940	≤ -13
6000-18000	17076.00	-29.686	≤ -13
18000-26500	25667.00	-22.812	≤ -13

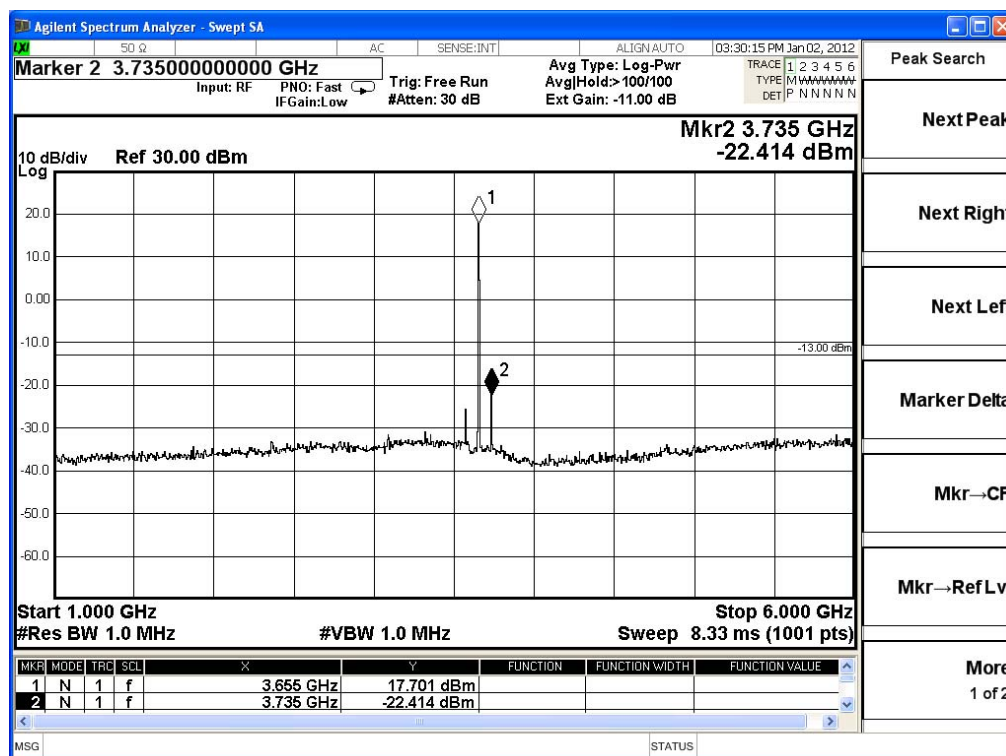
Test Frequency: 3671.5MHz			
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	795.33	-34.055	≤ -13
1000-6000	3755.00	-20.770	≤ -13
6000-18000	16968.00	-29.064	≤ -13
18000-26500	25956.00	-22.670	≤ -13

7MHz_3653.5MHz_64QAM5/6 (ANT 0)

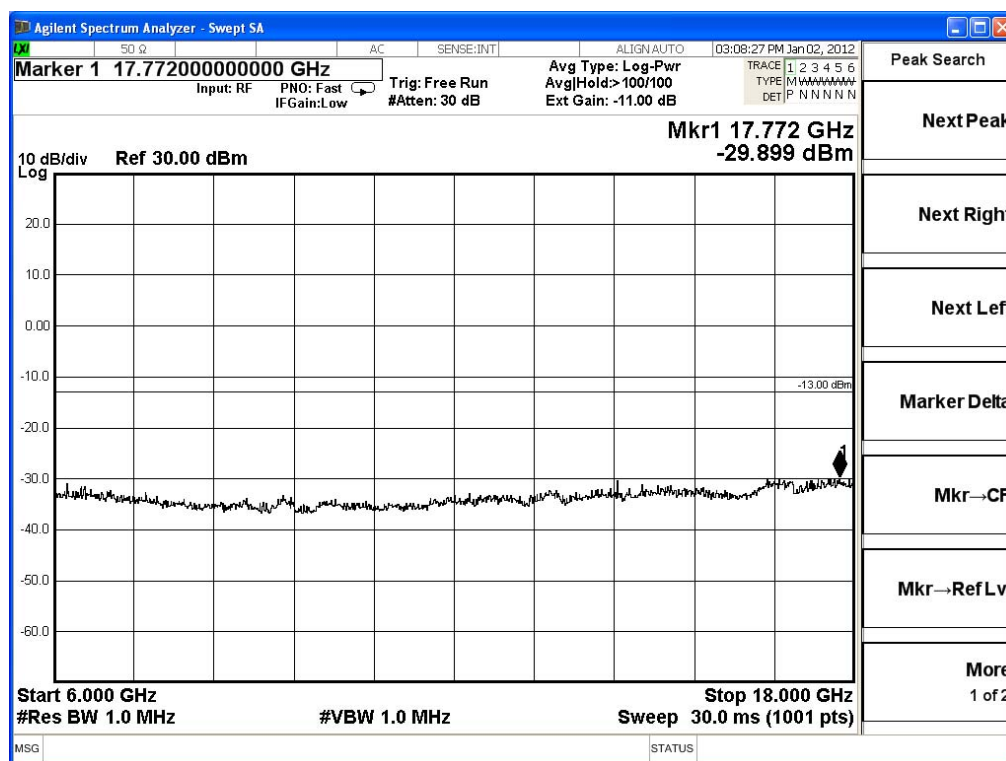
30MHz to 1GHz



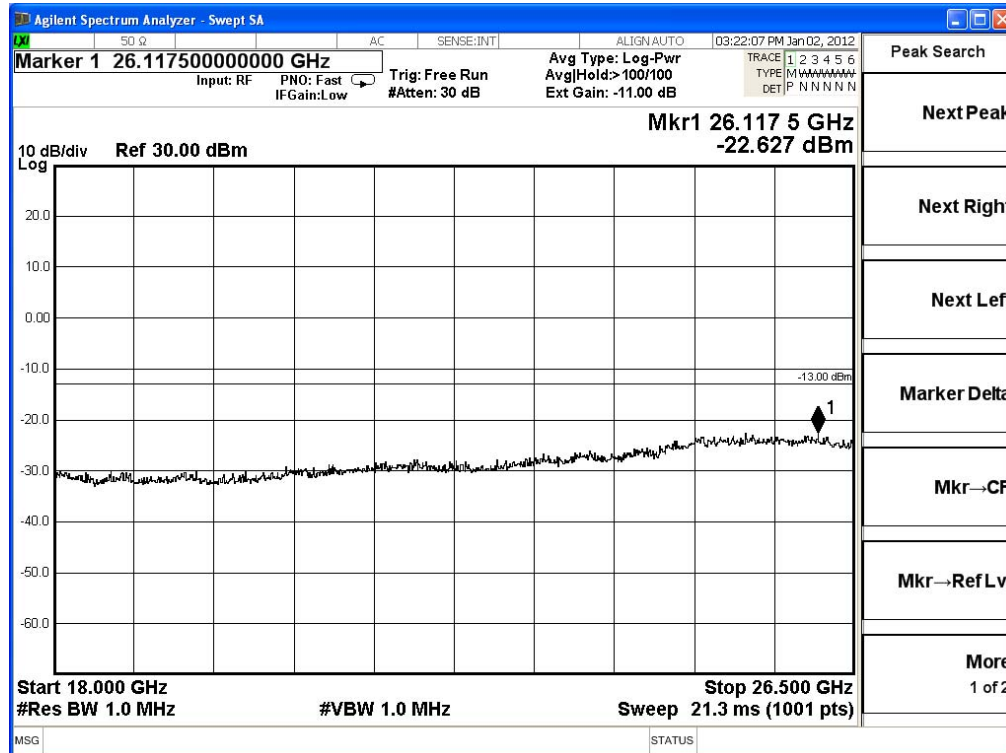
1GHz to 6GHz



6GHz to 18GHz

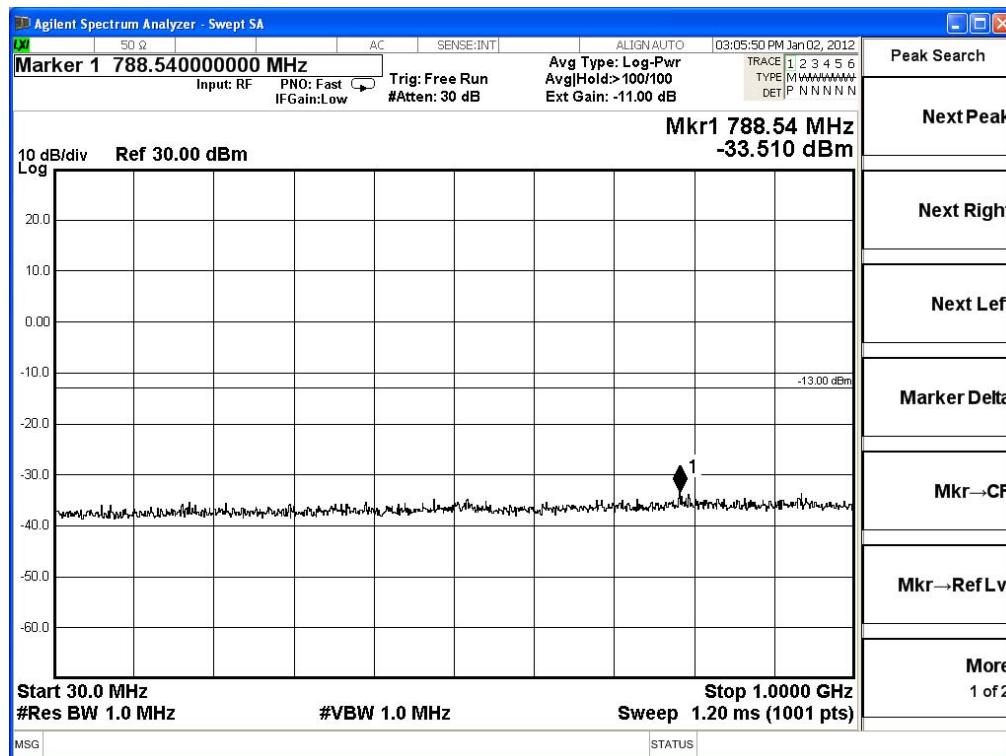


18GHz to 26GHz

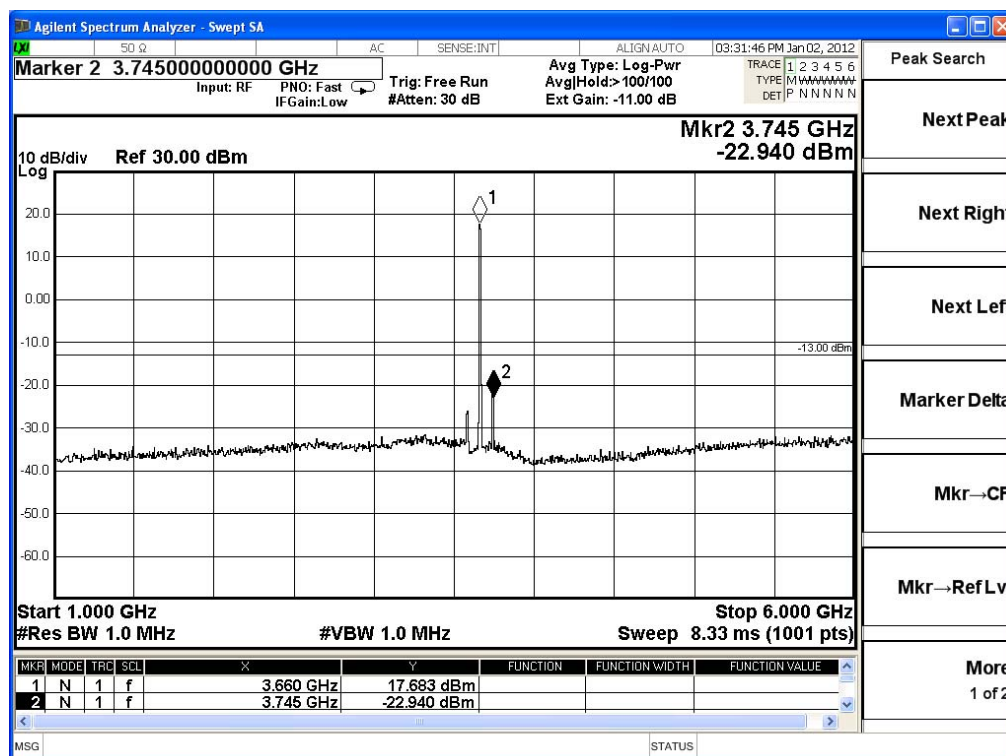


7MHz_3662.5MHz_64QAM5/6 (ANT 0)

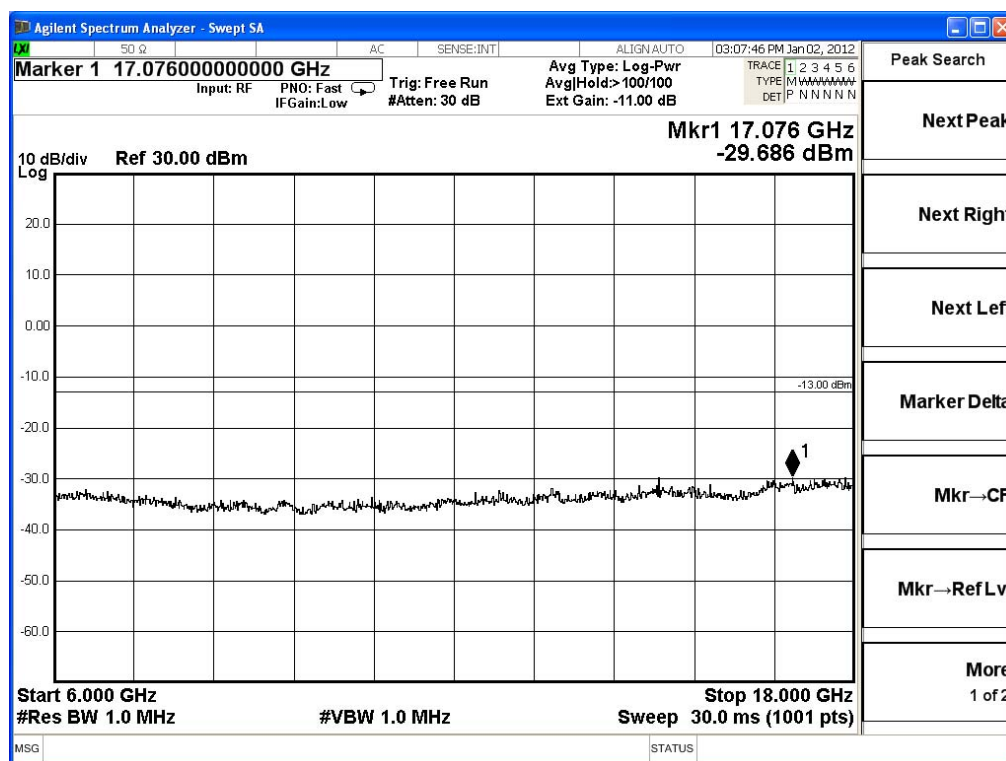
30MHz to 1GHz



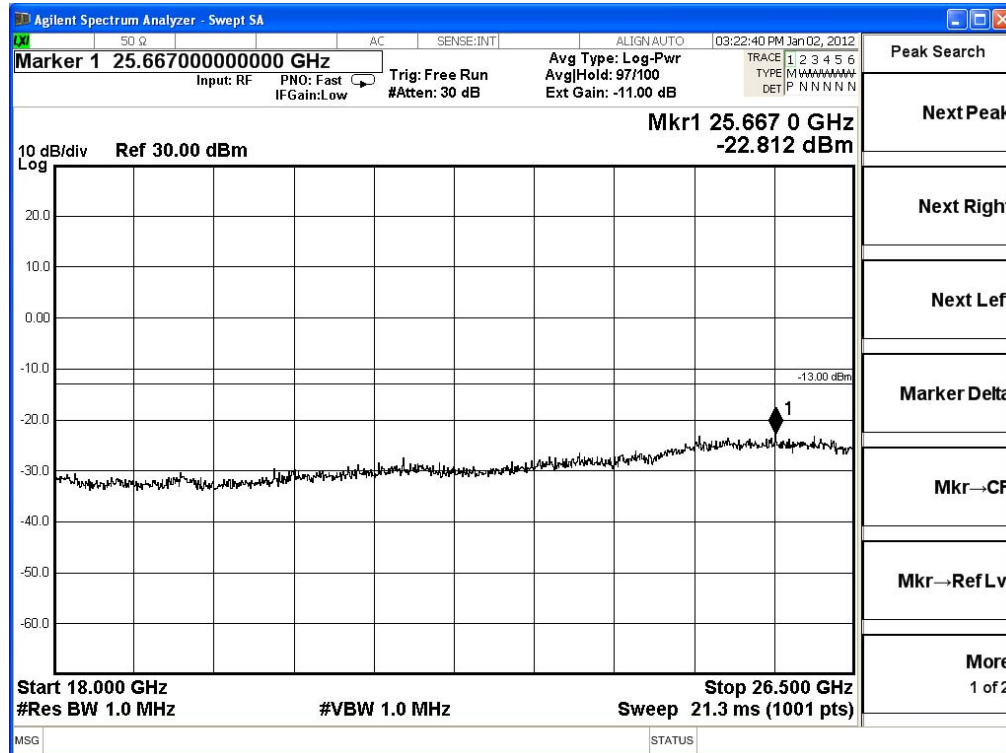
1GHz to 6GHz



6GHz to 18GHz

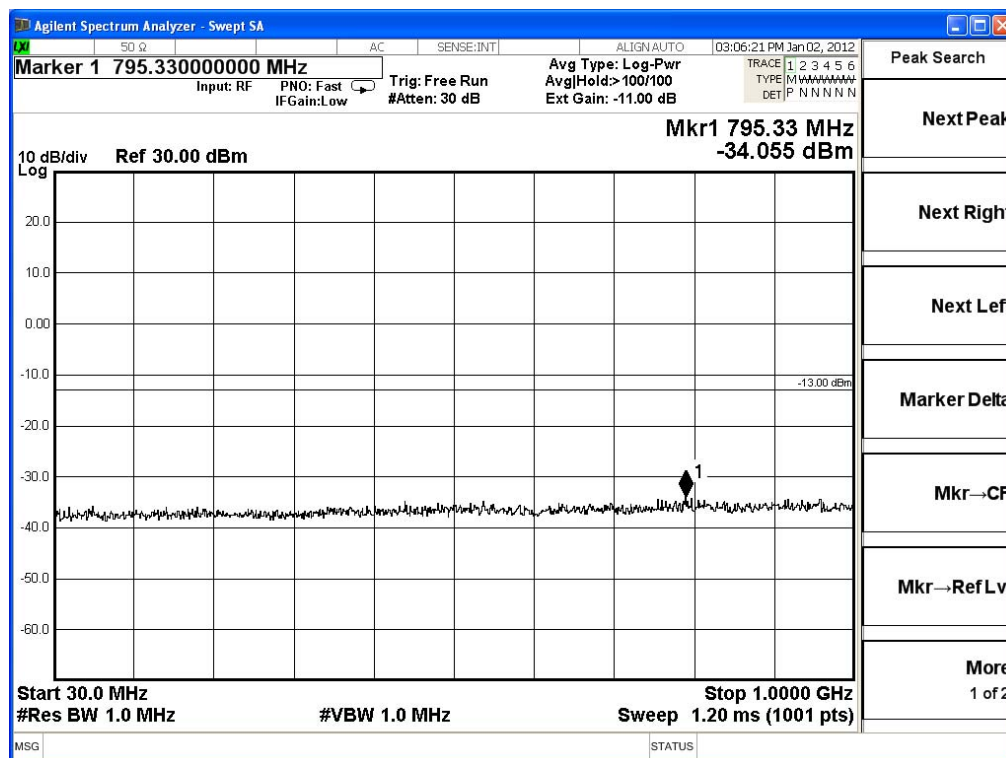


18GHz to 26GHz

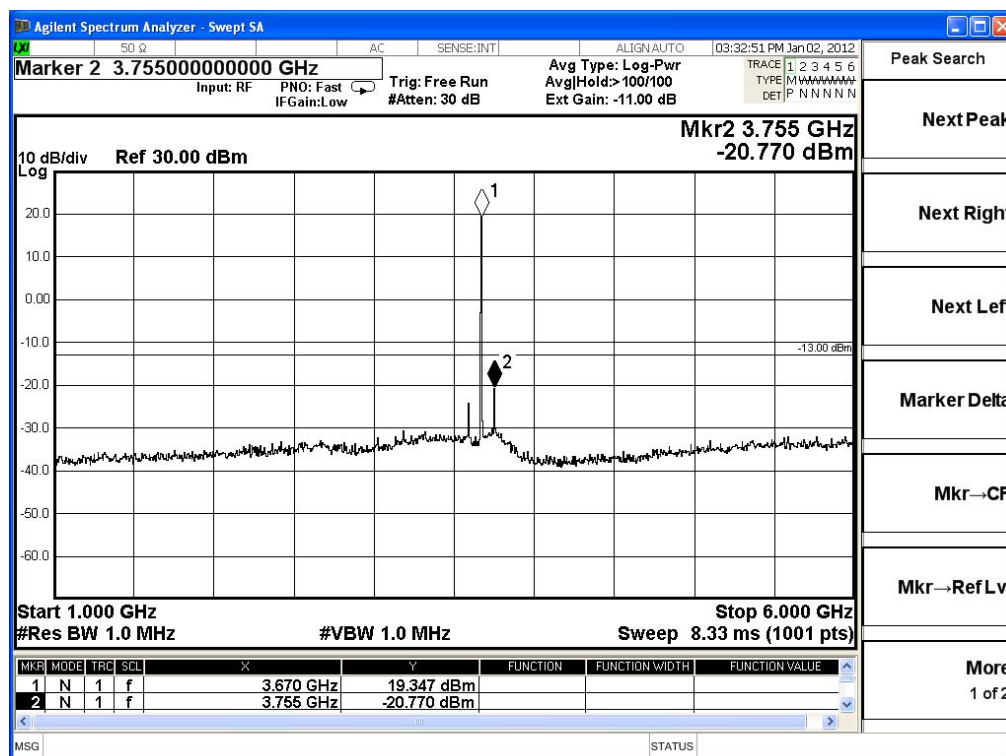


7MHz_3671.5MHz_64QAM5/6 (ANT 0)

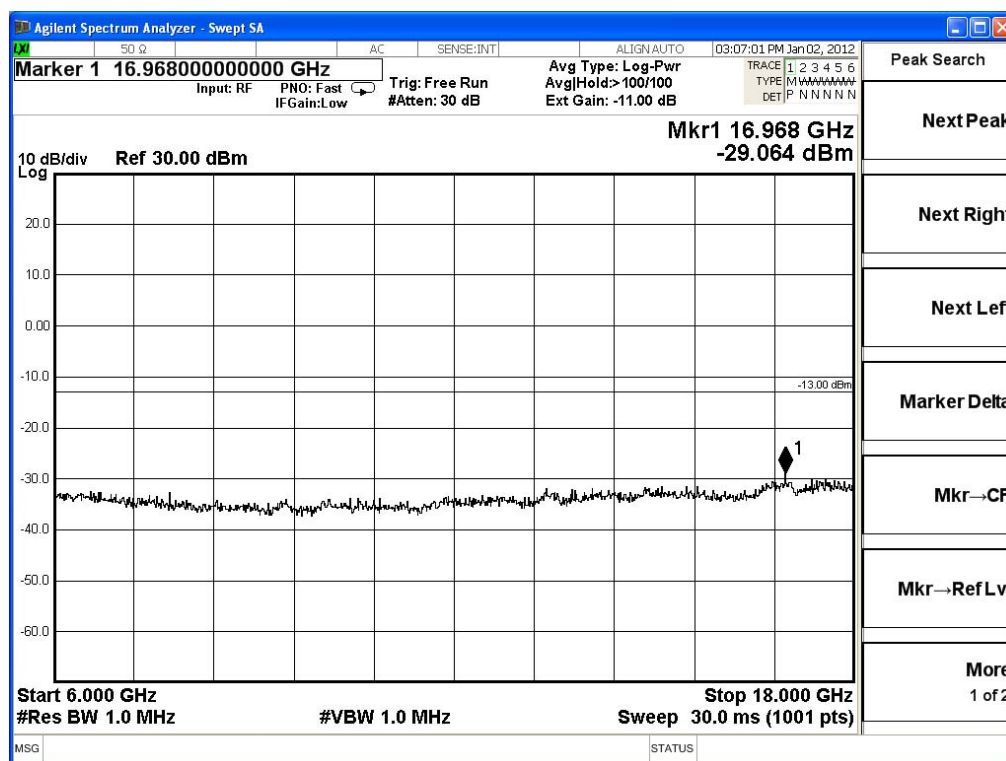
30MHz to 1GHz



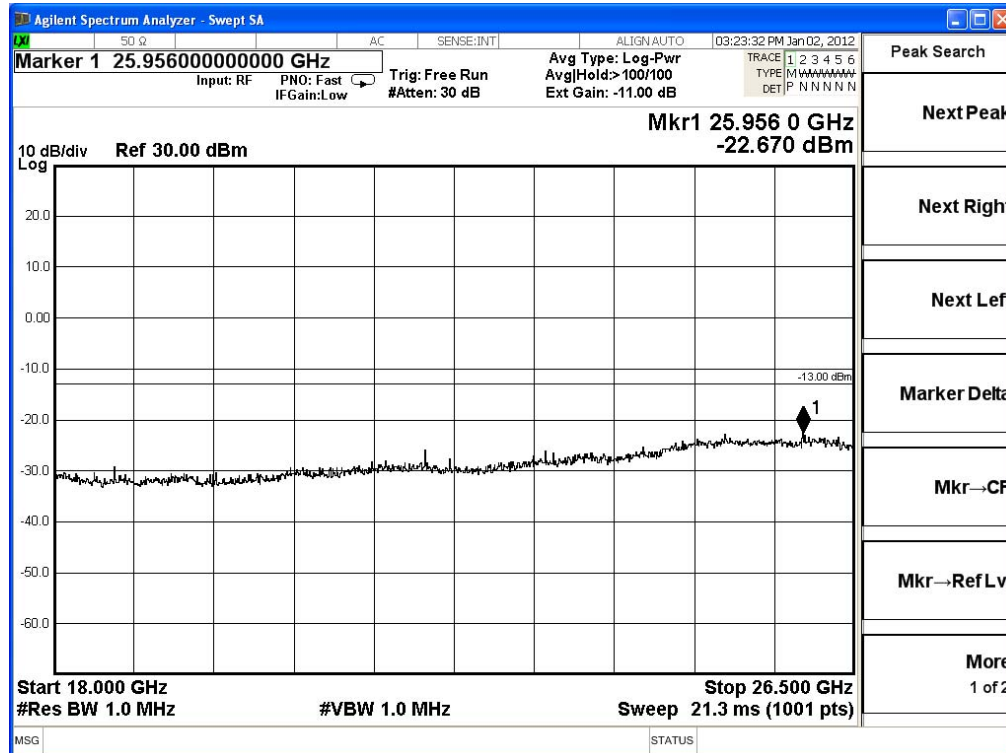
1GHz to 6GHz



6GHz to 18GHz



18GHz to 26GHz



Product	CBS 3.65GHz		
Test Item	Conducted Spurious Emission		
Test Mode	Mode 9: Transmit (7MHz BW_64QAM5/6)		
Date of Test	2011/11/19	Test Site	SR7

Test Mode: 7MHz 64QAM Ant1

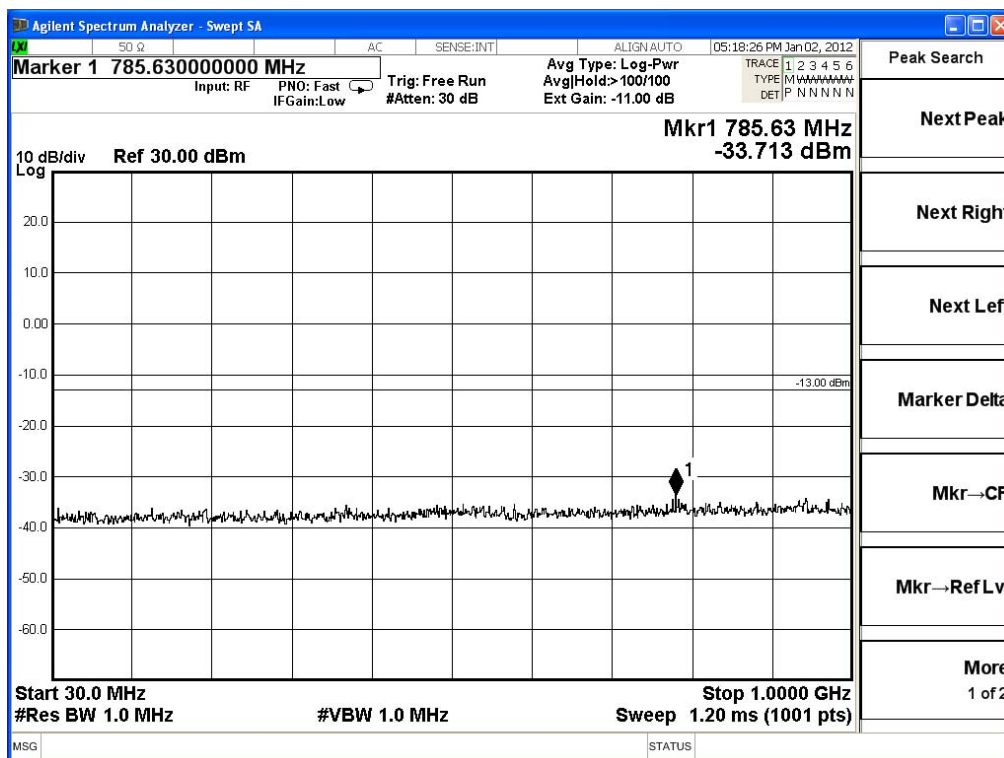
Test Frequency: 3653.5MHz			
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	785.63	-33.713	≤ -13
1000-6000	3730.00	-19.640	≤ -13
6000-18000	16776.00	-29.539	≤ -13
18000-26500	25463.00	-22.801	≤ -13

Test Frequency: 3662.5MHz			
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	791.45	-34.195	≤ -13
1000-6000	3740.00	-20.588	≤ -13
6000-18000	16980.00	-30.608	≤ -13
18000-26500	25990.00	-23.236	≤ -13

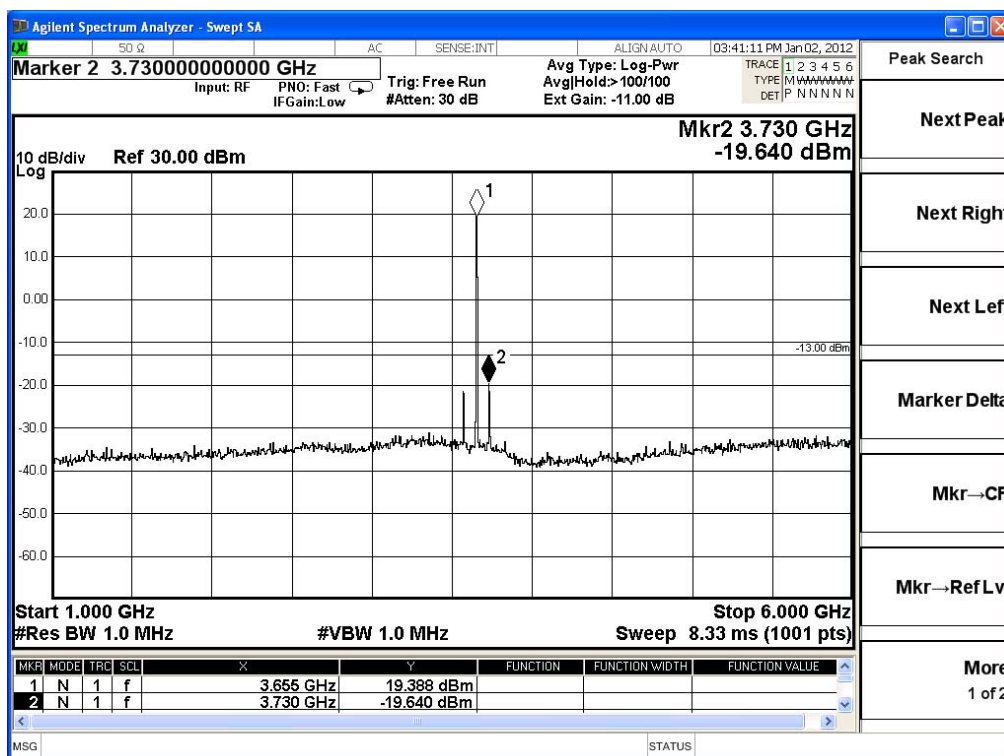
Test Frequency: 3671.5MHz			
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	984.48	-33.735	≤ -13
1000-6000	3755.00	-19.415	≤ -13
6000-18000	16800.00	-28.851	≤ -13
18000-26500	25140.00	-22.364	≤ -13

7MHz_3653.5MHz_64QAM5/6 (ANT 1)

30MHz to 1GHz



1GHz to 6GHz



Agilent Spectrum Analyzer - Swept SA

50 Ω AC SENSE:INT ALIGN: AUTO 05:30:18 PM Jan 02, 2012

Marker 1 16.776000000000 GHz

Input: RF PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr Avg/Hold: >100/100 Ext Gain: -11.00 dB

TRACE 1 2 3 4 5 6 TYPE: M H A A A A A A A A DET: P N N N N N N

Peak Search

Next Peak

Next Right

Next Left

Marker Delta

Mkr→CF

Mkr→Ref Lvl

More

1 of 2

10 dB/div Ref 30.00 dBm

Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-13.00 dBm

1

Start 6.000 GHz Stop 18.000 GHz

#Res BW 1.0 MHz #VBW 1.0 MHz Sweep 30.0 ms (1001 pts)

MSG STATUS

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a plot of power spectral density (PSD) versus frequency. The frequency range is from 6.000 GHz to 18.000 GHz, with a resolution bandwidth (RBW) of 1.0 MHz and a video bandwidth (VBW) of 1.0 MHz. The sweep time is 30.0 ms, resulting in 1001 points. The vertical axis represents power, with a reference level of 30.00 dBm and a scale of 10 dB/div. The plot shows a noisy baseline around -30 dBm, with a single prominent peak at 16.776 GHz, which is marked with a '1'. The peak power is approximately -13.00 dBm. The analyzer is set to 'Free Run' trigger mode and 'Log-Pwr' average type. The input is RF, and the IF gain is low. The attenuation is 30 dB. The external gain is -11.00 dB. The display is in 'Log' mode. The right side of the screen shows a 'Peak Search' menu with options for 'Next Peak', 'Next Right', 'Next Left', 'Marker Delta', 'Mkr→CF', 'Mkr→Ref Lvl', and 'More'. The 'More' option is currently selected, showing '1 of 2'.

Agilent Spectrum Analyzer - Swept SA

Marker 1 25.463000000000 GHz

Input: RF PNO: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB

Avg Type: Log-Pwr Avg/Hold: >100/100 Ext Gain: -11.00 dB

05:39:48 PM Jan 02, 2012

Peak Search

Next Peak

Next Right

Next Left

Marker Delta

Mkr→CF

Mkr→Ref Lvl

More

1 of 2

10 dB/div Ref 30.00 dBm

Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Mkr1 25.463 0 GHz -22.801 dBm

-13.00 dBm

Start 18.000 GHz Stop 26.500 GHz

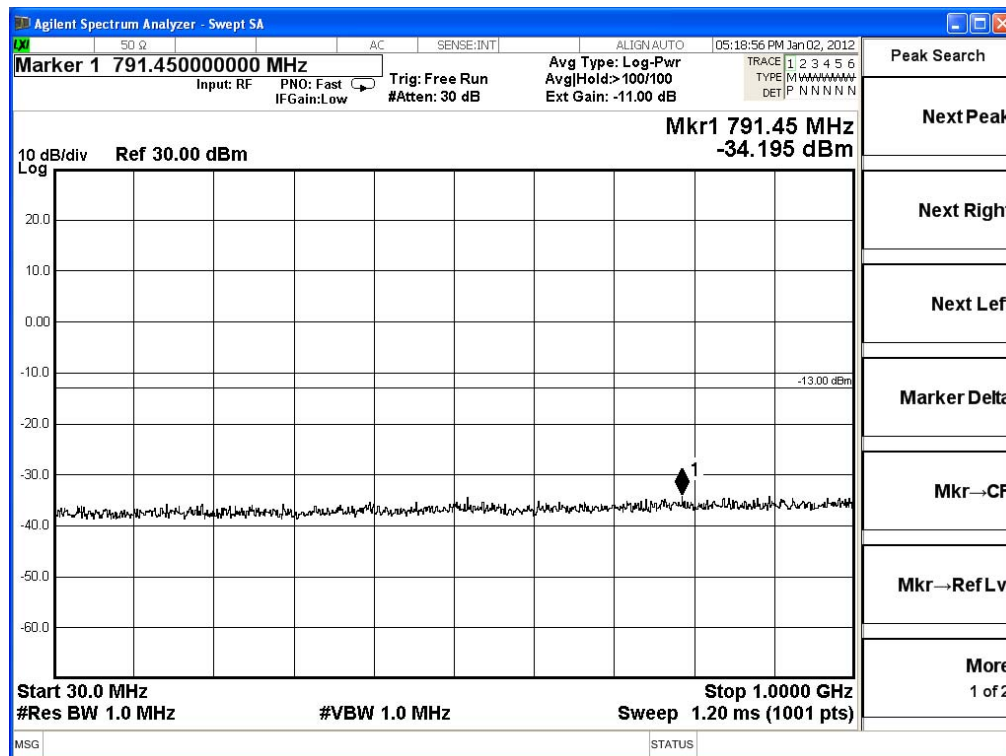
#Res BW 1.0 MHz #VBW 1.0 MHz Sweep 21.3 ms (1001 pts)

MSG STATUS

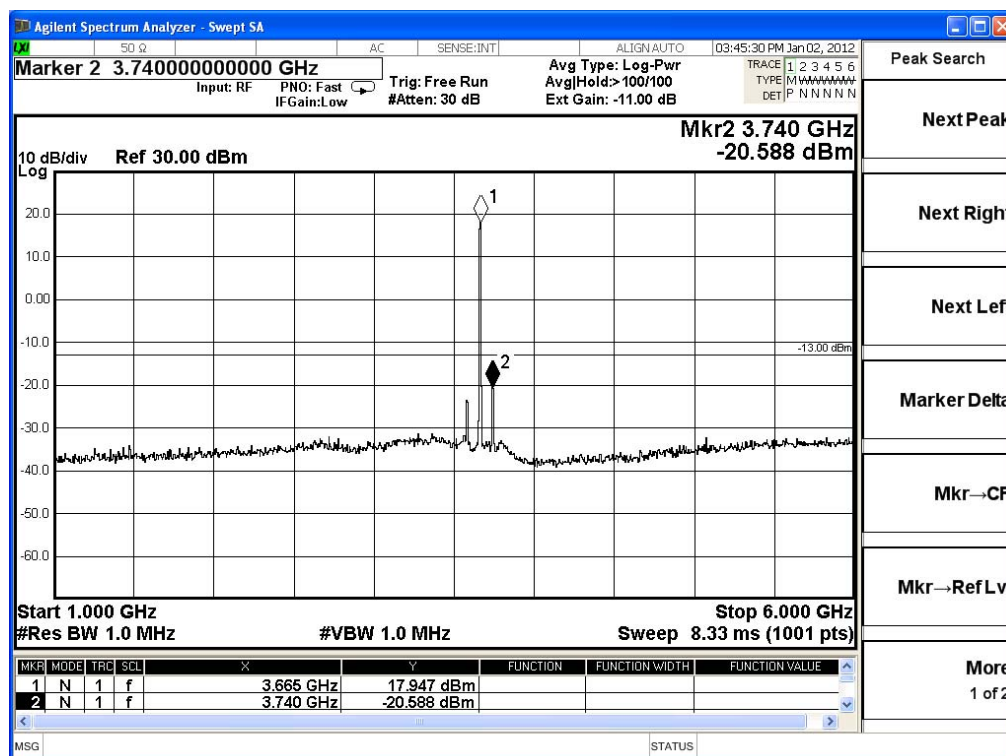
The image shows a screenshot of an Agilent Spectrum Analyzer in Swept SA mode. The main display is a log-frequency plot with a grid. The horizontal axis represents frequency, ranging from 18.000 GHz to 26.500 GHz, with a resolution bandwidth (Res BW) of 1.0 MHz and a video bandwidth (VBW) of 1.0 MHz. The vertical axis represents power in dBm, ranging from -60.0 to 20.0, with a 10 dB/div scale. A reference level of 30.00 dBm is indicated. The spectrum shows a noisy baseline around -30 dBm. A single marker, labeled 'Mkr1', is placed at a frequency of 25.463 GHz and a power level of -22.801 dBm. The marker's power level is also displayed as -13.00 dBm, which is the difference between the measured power and the reference level. The analyzer settings include: Input: RF, PNO: Fast, IF Gain: Low, Trig: Free Run, #Atten: 30 dB, Avg Type: Log-Pwr, Avg/Hold: >100/100, Ext Gain: -11.00 dB. The date and time are 05:39:48 PM Jan 02, 2012. On the right side, there are buttons for Peak Search, Next Peak, Next Right, Next Left, Marker Delta, Mkr→CF, Mkr→Ref Lvl, and More. At the bottom, there are buttons for MSG and STATUS.

7MHz_3662.5MHz_64QAM5/6 (ANT 1)

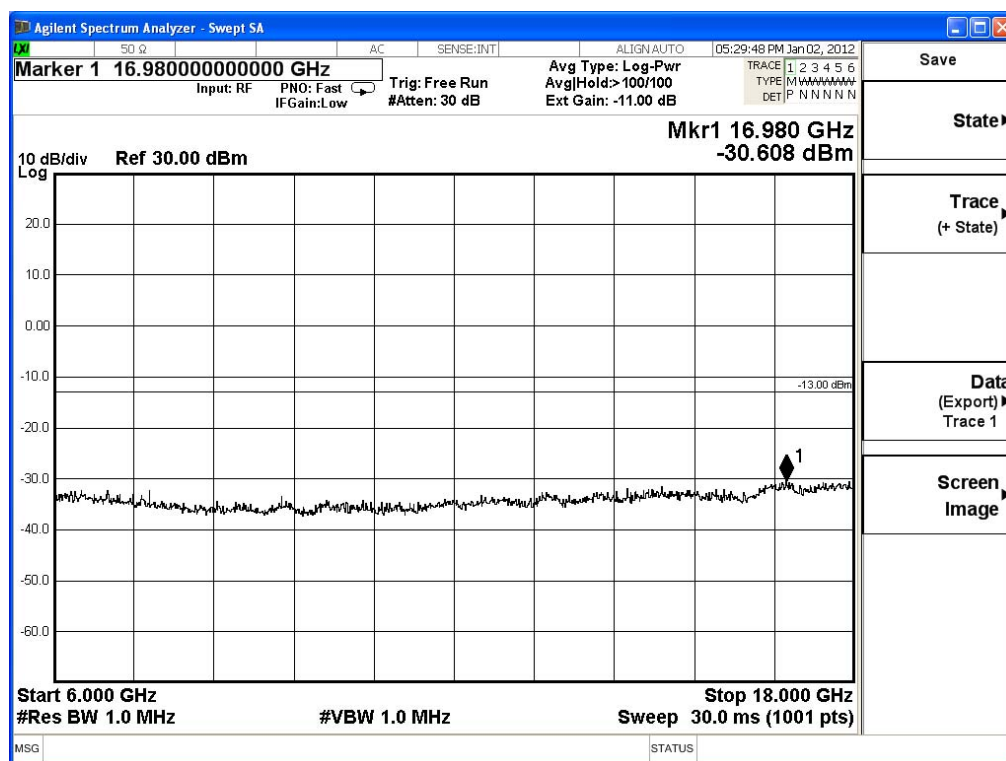
30MHz to 1GHz



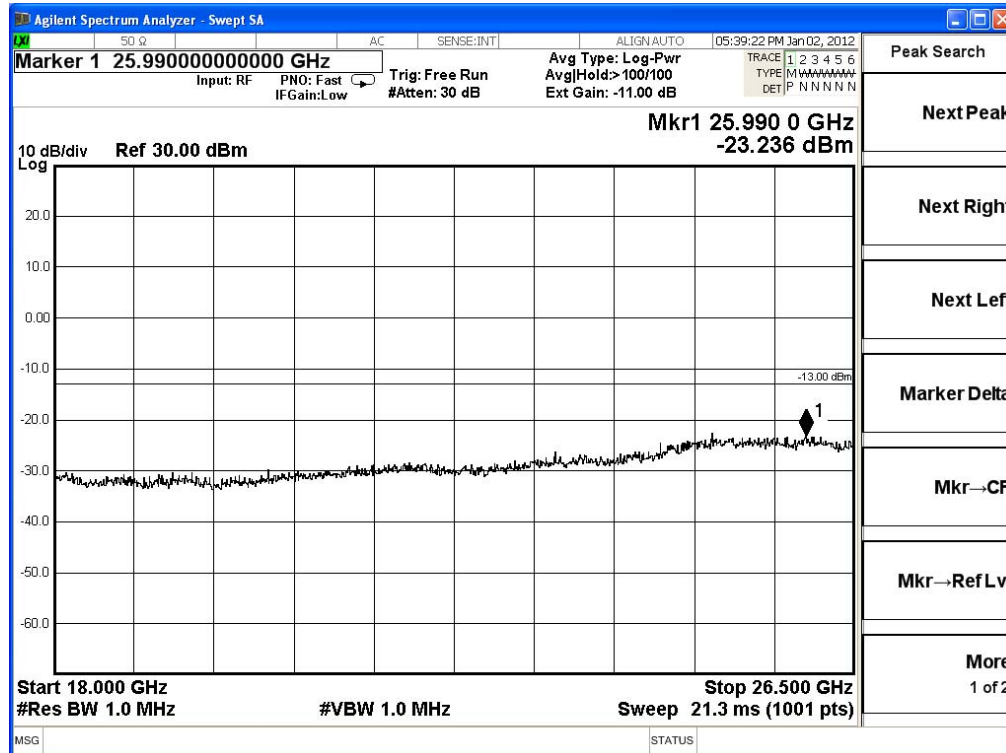
1GHz to 6GHz



6GHz to 18GHz

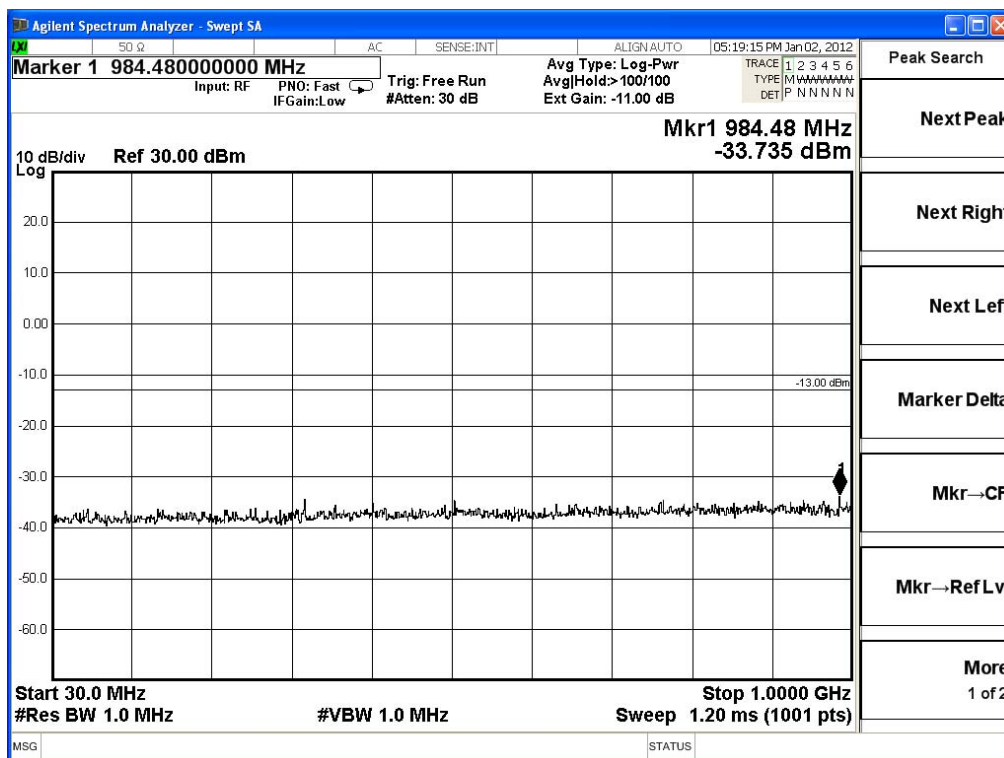


18GHz to 26GHz

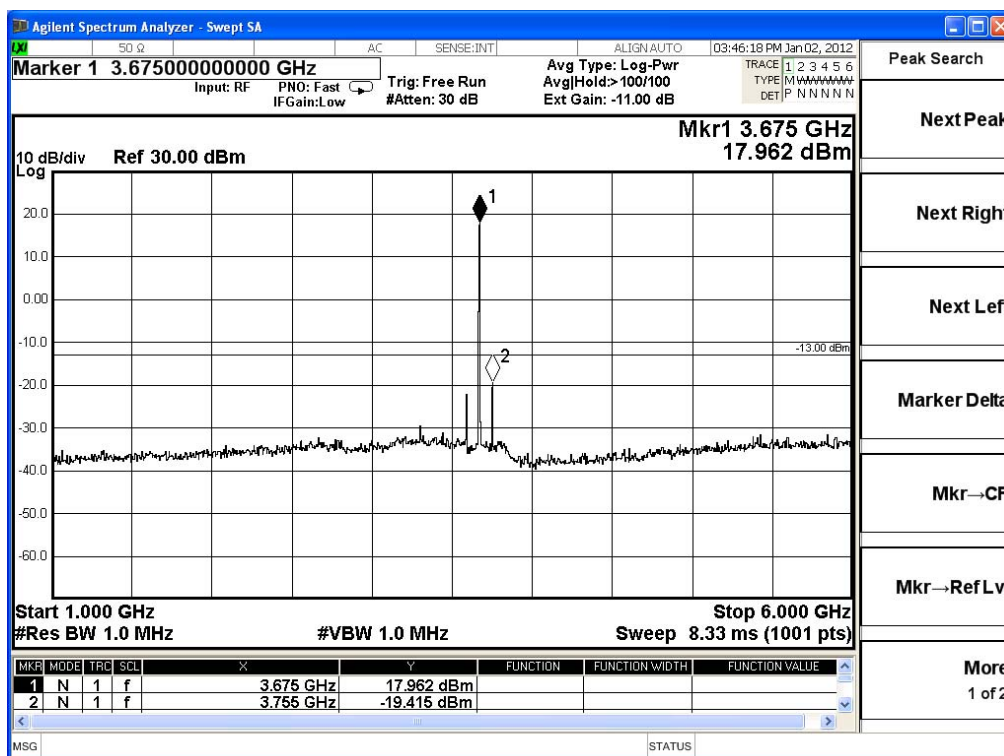


7MHz_3671.5MHz_64QAM5/6 (ANT 1)

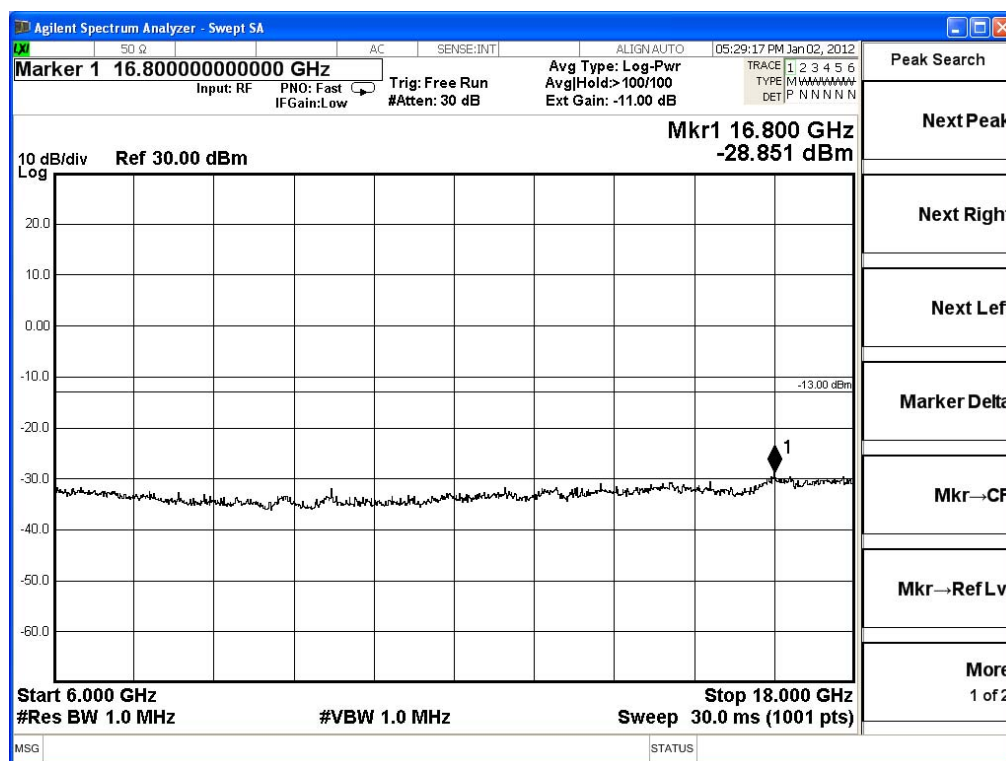
30MHz to 1GHz



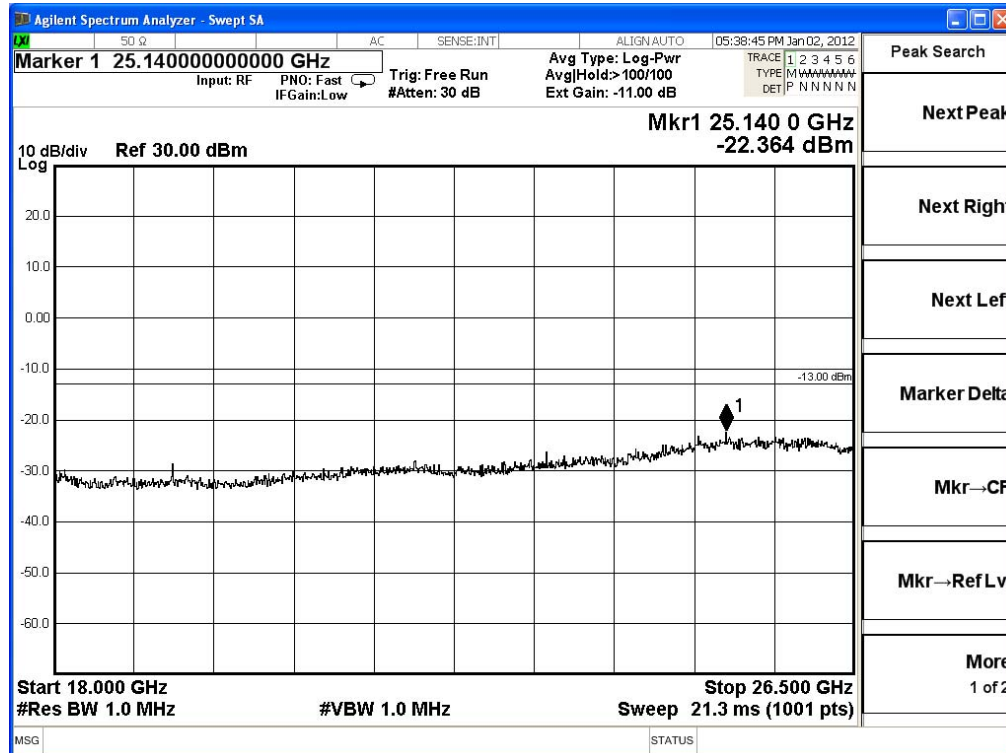
1GHz to 6GHz



6GHz to 18GHz



18GHz to 26GHz



Product	CBS 3.65GHz		
Test Item	Conducted Spurious Emission		
Test Mode	Mode 10: Transmit (10MHz BW_QPSK3/4)		
Date of Test	2011/11/19	Test Site	SR7

Test Mode: 10MHz QPSK Ant0

Test Frequency: 3655MHz

Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	538.28	-33.781	≤ -13
1000-6000	3740.00	-20.881	≤ -13
6000-18000	16776.00	-29.948	≤ -13
18000-26500	25548.00	-22.837	≤ -13

Test Frequency: 3662.5MHz

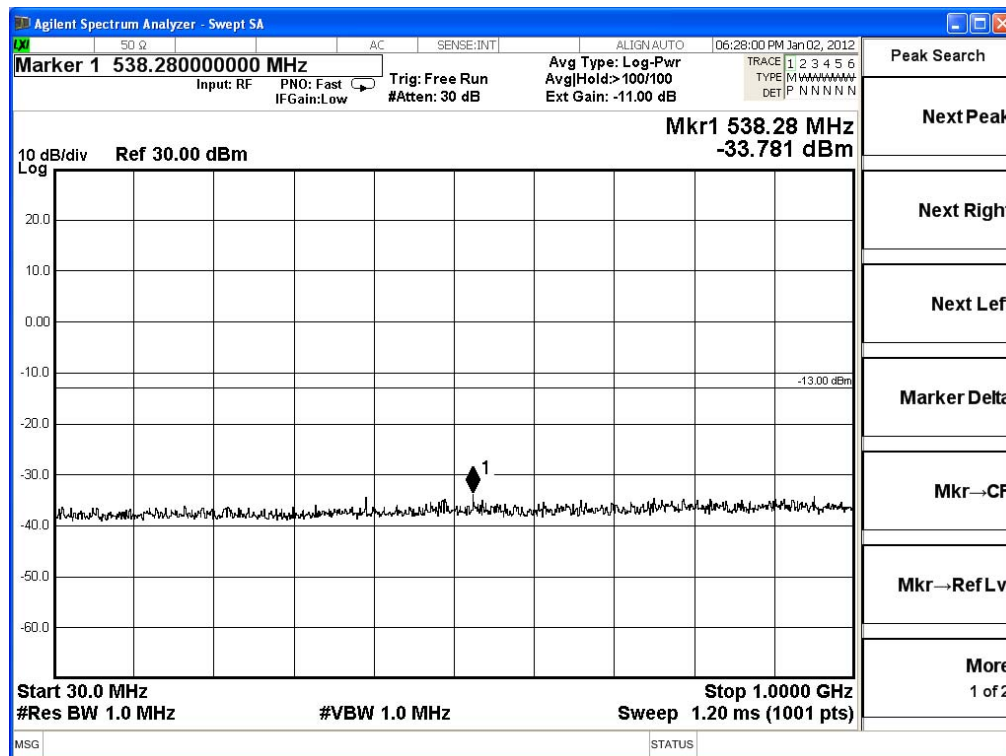
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	916.58	-34.215	≤ -13
1000-6000	3745.00	-19.853	≤ -13
6000-18000	17052.00	-30.027	≤ -13
18000-26500	26202.50	-22.747	≤ -13

Test Frequency: 3670MHz

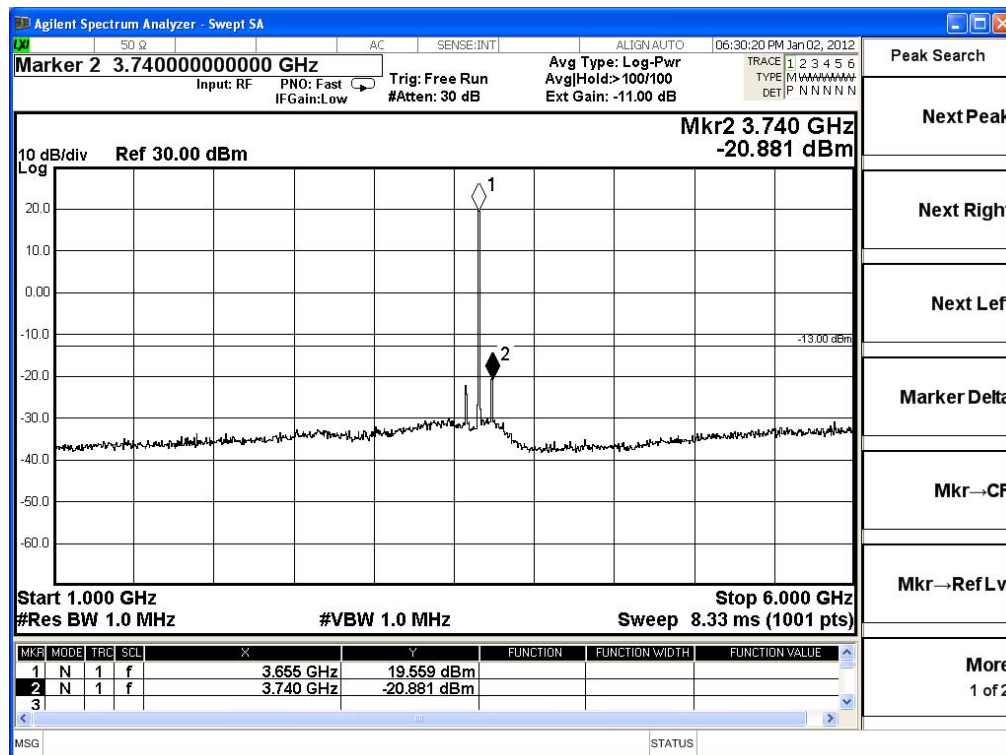
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	920.46	-33.854	≤ -13
1000-6000	3745.00	-18.660	≤ -13
6000-18000	17628.00	-29.877	≤ -13
18000-26500	25709.00	-22.840	≤ -13

10MHz_3655MHz_QPSK3/4 (ANT 0)

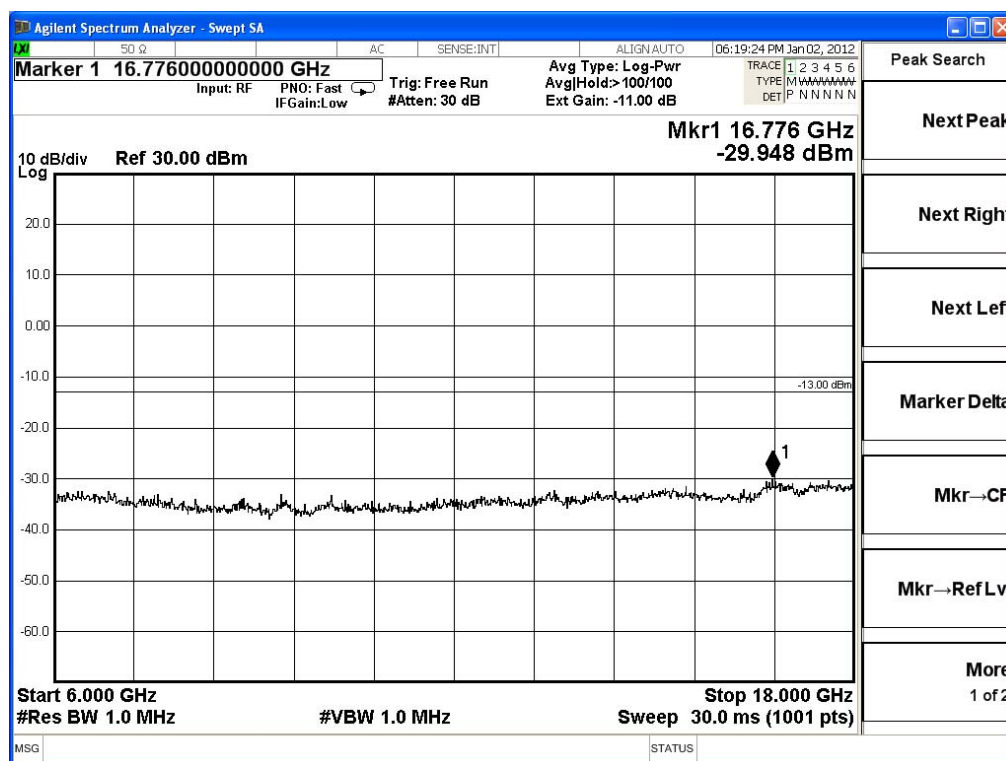
30MHz to 1GHz



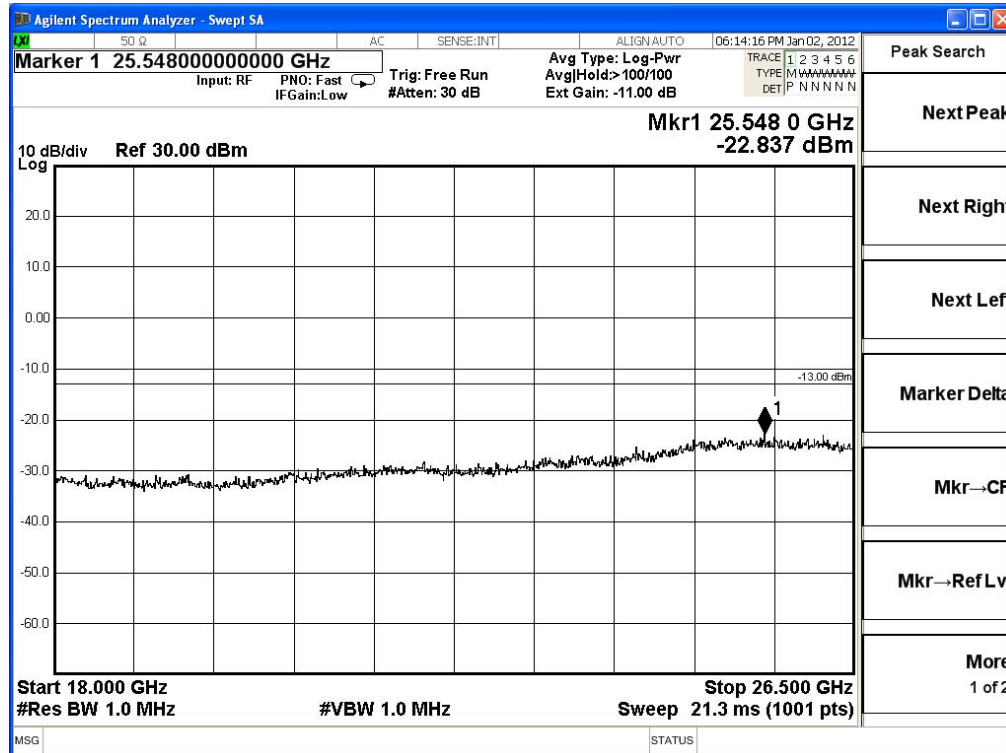
1GHz to 6GHz



6GHz to 18GHz

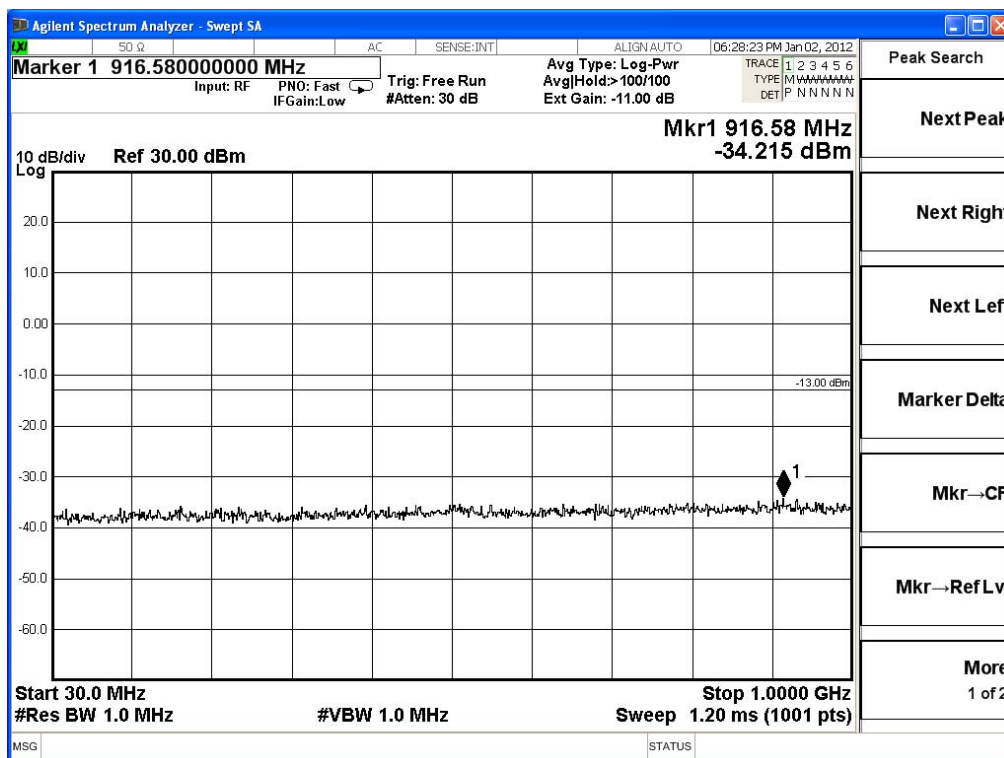


18GHz to 26GHz

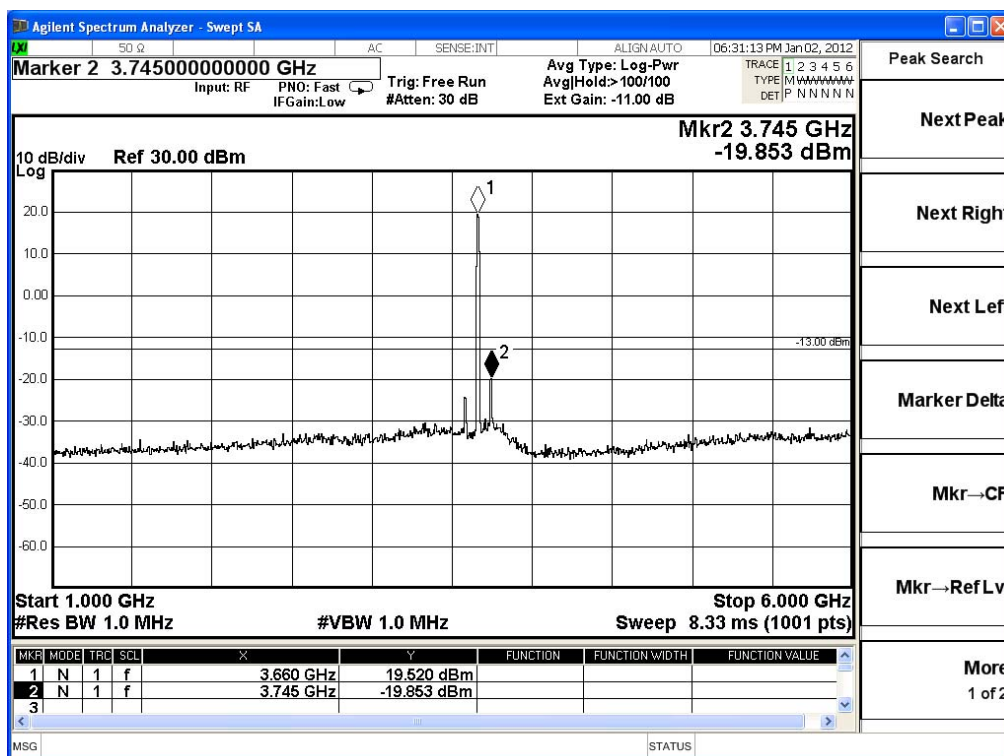


10MHz_3662.5MHz_ QPSK3/4 (ANT 0)

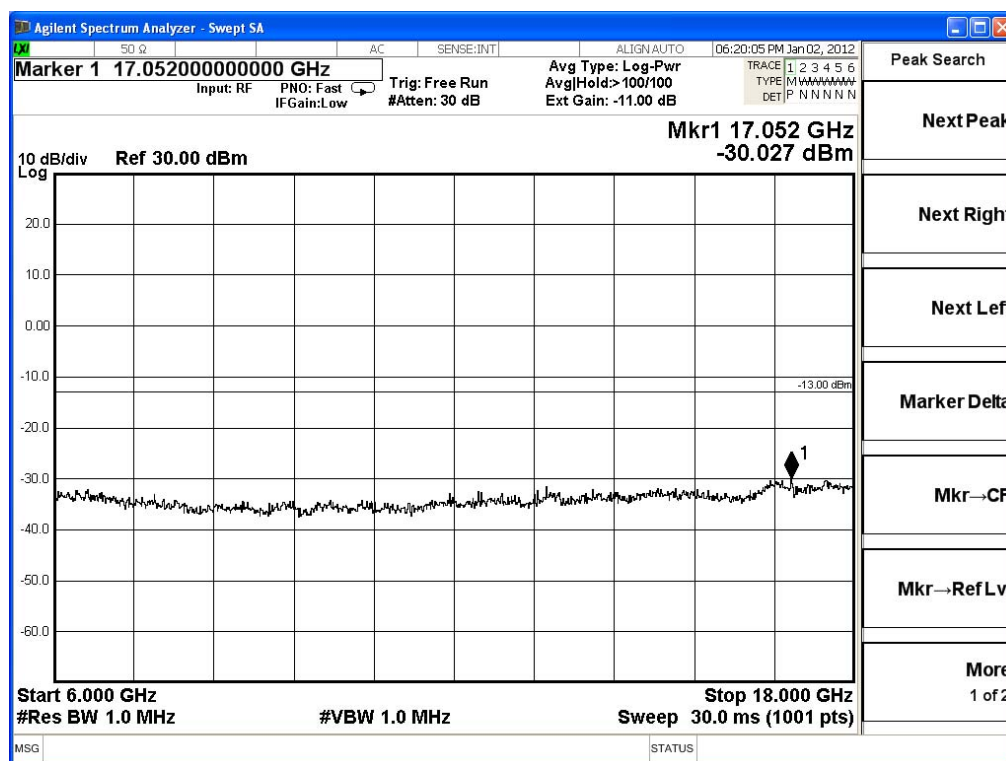
30MHz to 1GHz



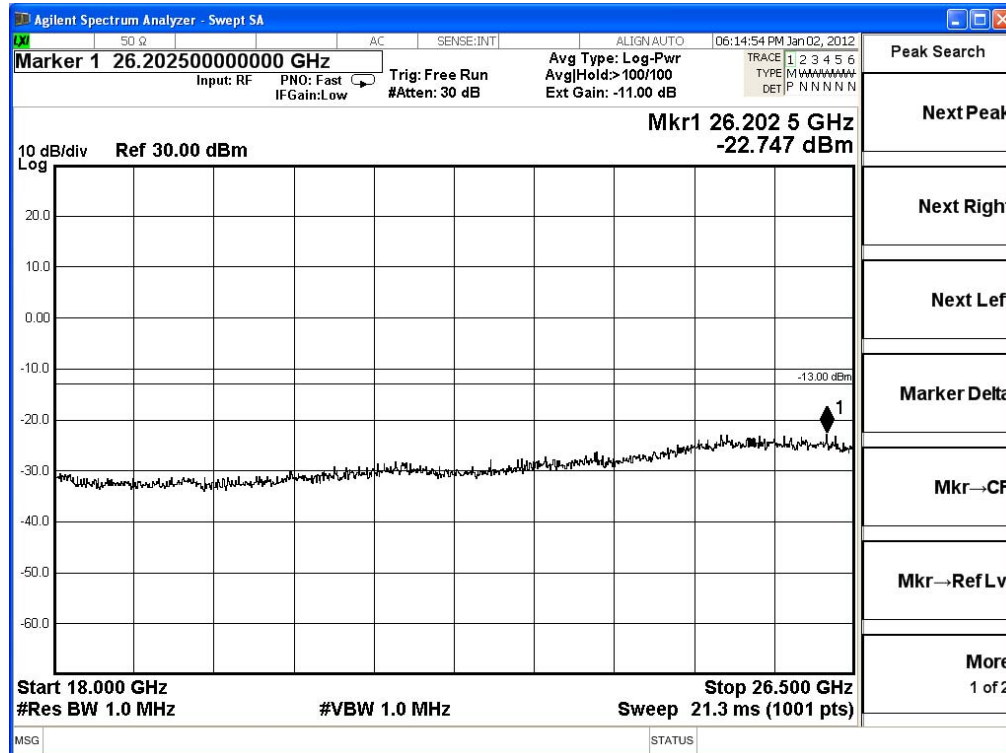
1GHz to 6GHz



6GHz to 18GHz

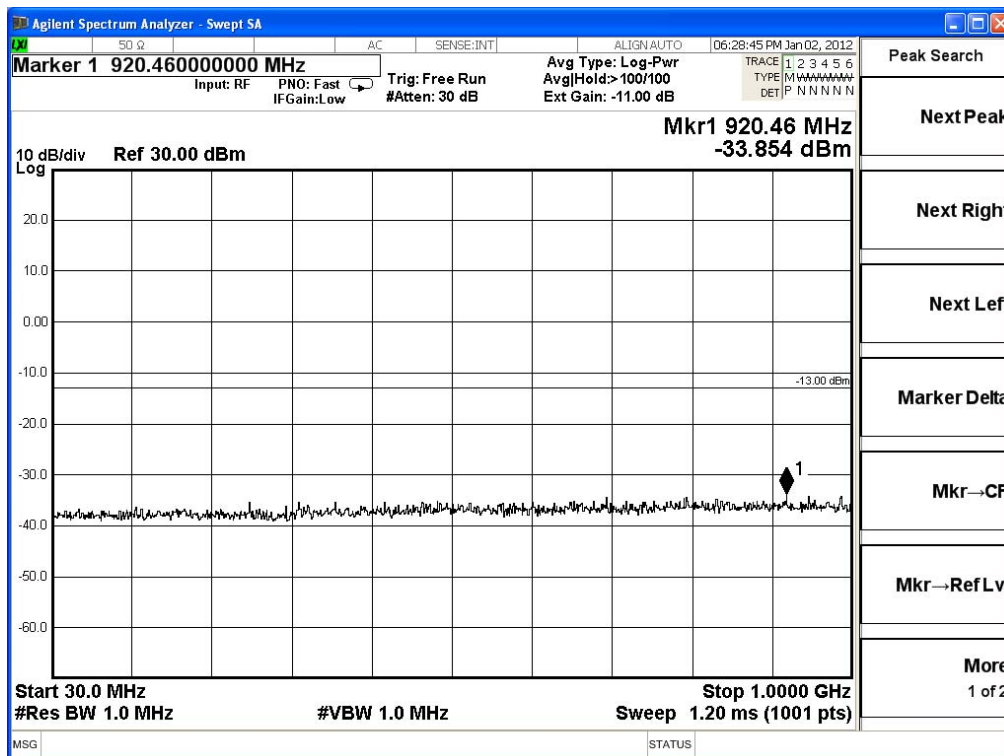


18GHz to 26GHz

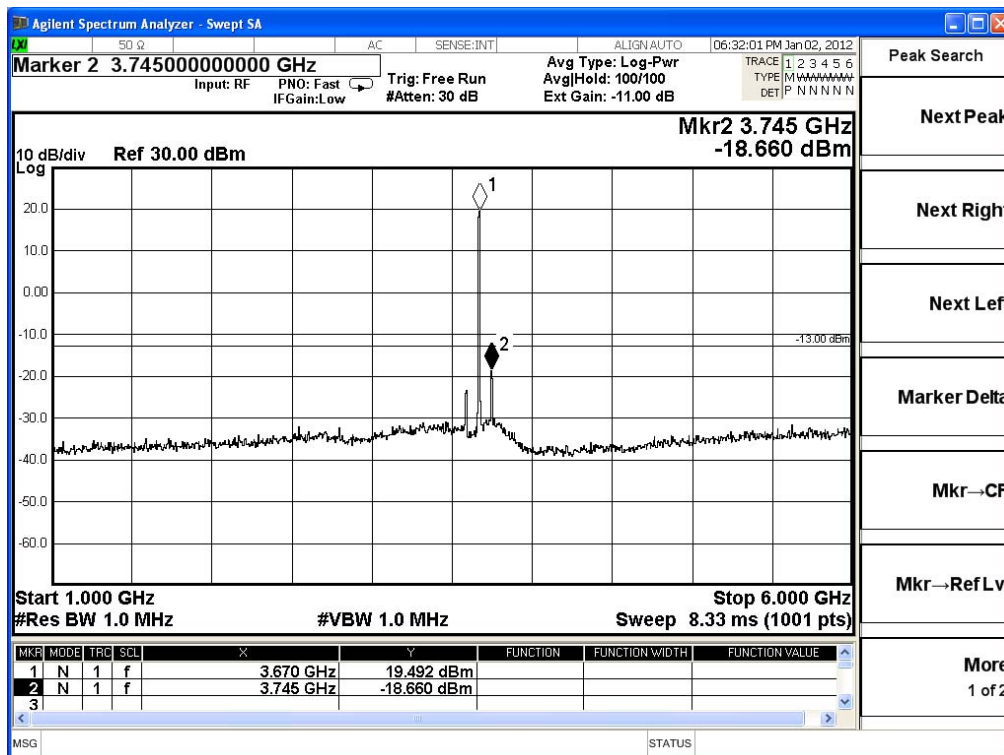


10MHz_3670MHz_ QPSK3/4 (ANT 0)

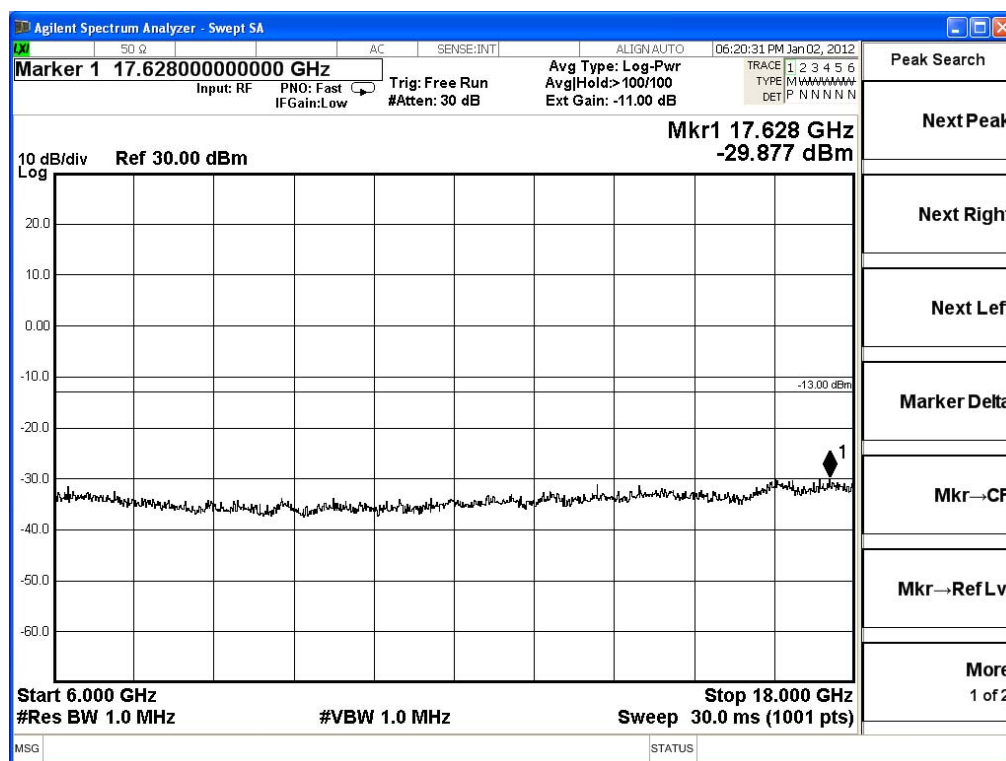
30MHz to 1GHz



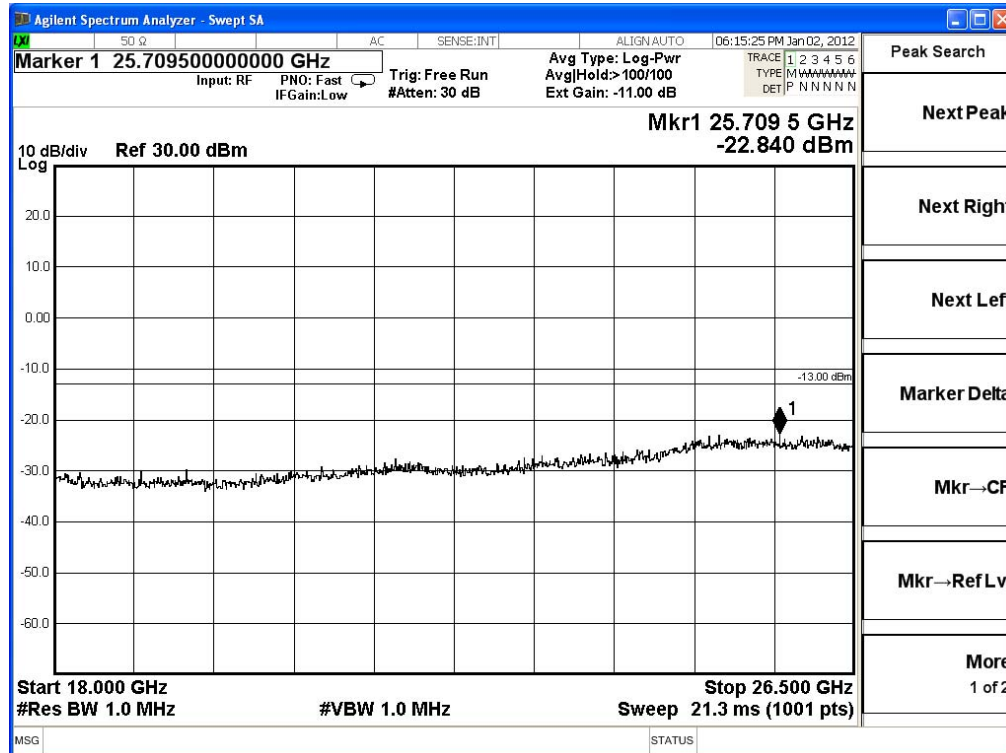
1GHz to 6GHz



6GHz to 18GHz



18GHz to 26GHz



Product	CBS 3.65GHz		
Test Item	Conducted Spurious Emission		
Test Mode	Mode 10: Transmit (10MHz BW_QPSK3/4)		
Date of Test	2011/11/19	Test Site	SR7

Test Mode: 10MHz QPSK Ant1

Test Frequency: 3655MHz

Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	792.42	-34.158	≤ -13
1000-6000	3735.00	-18.936	≤ -13
6000-18000	16776.00	-30.274	≤ -13
18000-26500	25276.00	-22.884	≤ -13

Test Frequency: 3662.5MHz

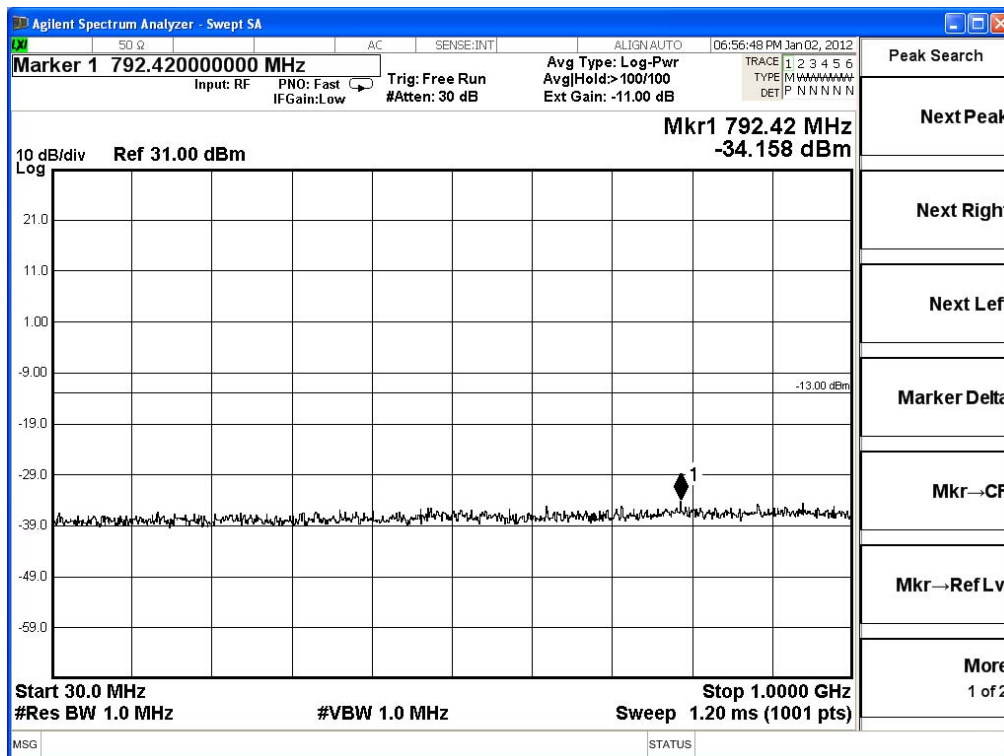
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	835.10	-34.356	≤ -13
1000-6000	3740.00	-29.826	≤ -13
6000-18000	16776.00	-30.219	≤ -13
18000-26500	26024.00	-23.260	≤ -13

Test Frequency: 3670MHz

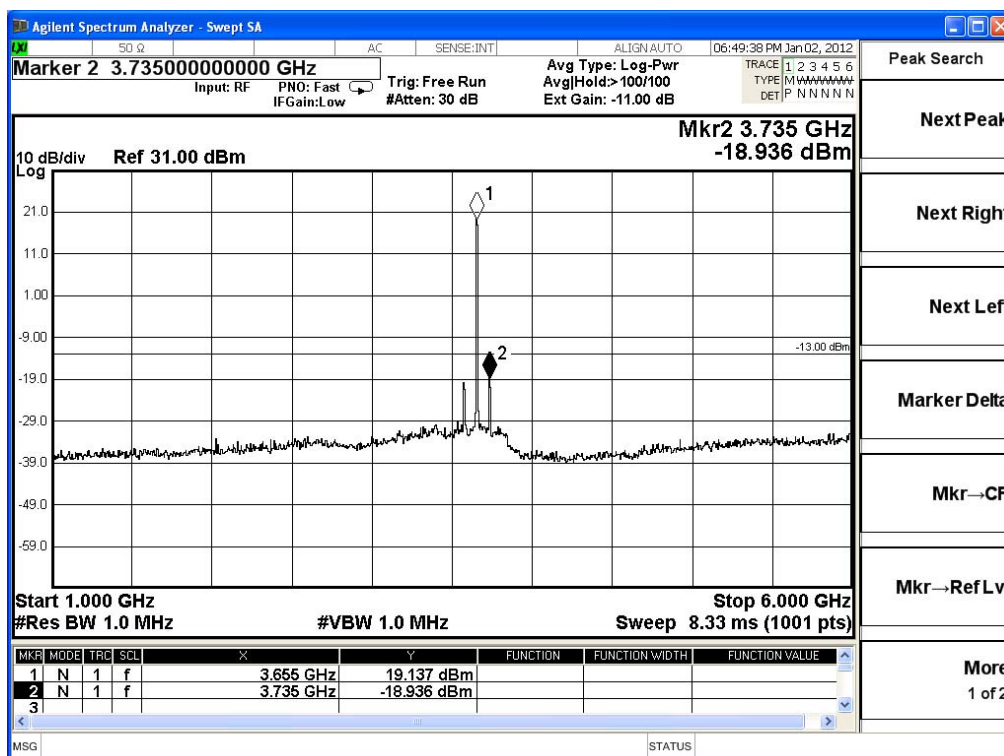
Frequency Band (MHz)	Frequency (MHz)	Measured Value (dBm)	Limit (dBm)
30-1000	894.27	-35.075	≤ -13
1000-6000	3755.00	-19.915	≤ -13
6000-18000	17940.00	-30.390	≤ -13
18000-26500	25488.50	-22.827	≤ -13

10MHz_3655MHz_QPSK3/4 (ANT 1)

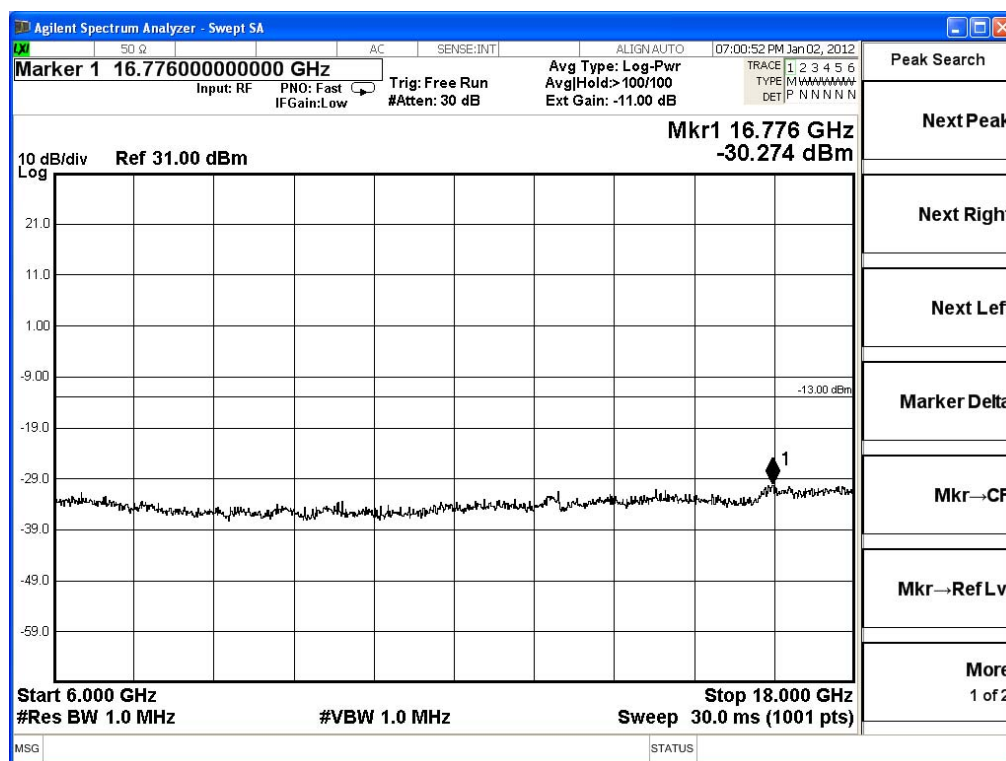
30MHz to 1GHz



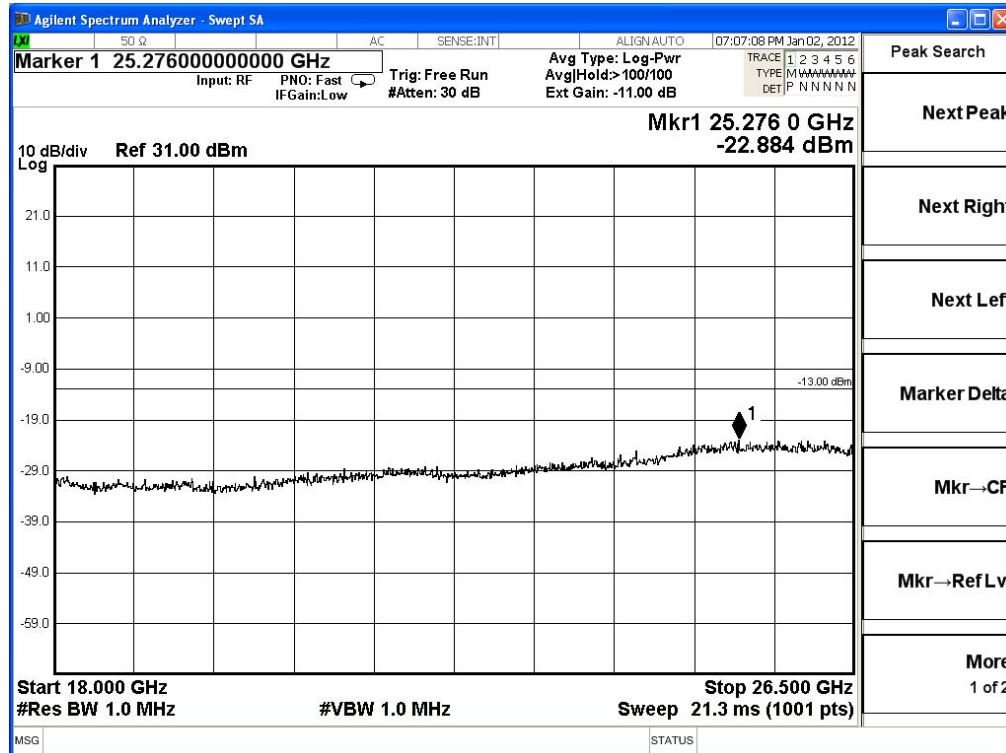
1GHz to 6GHz



6GHz to 18GHz

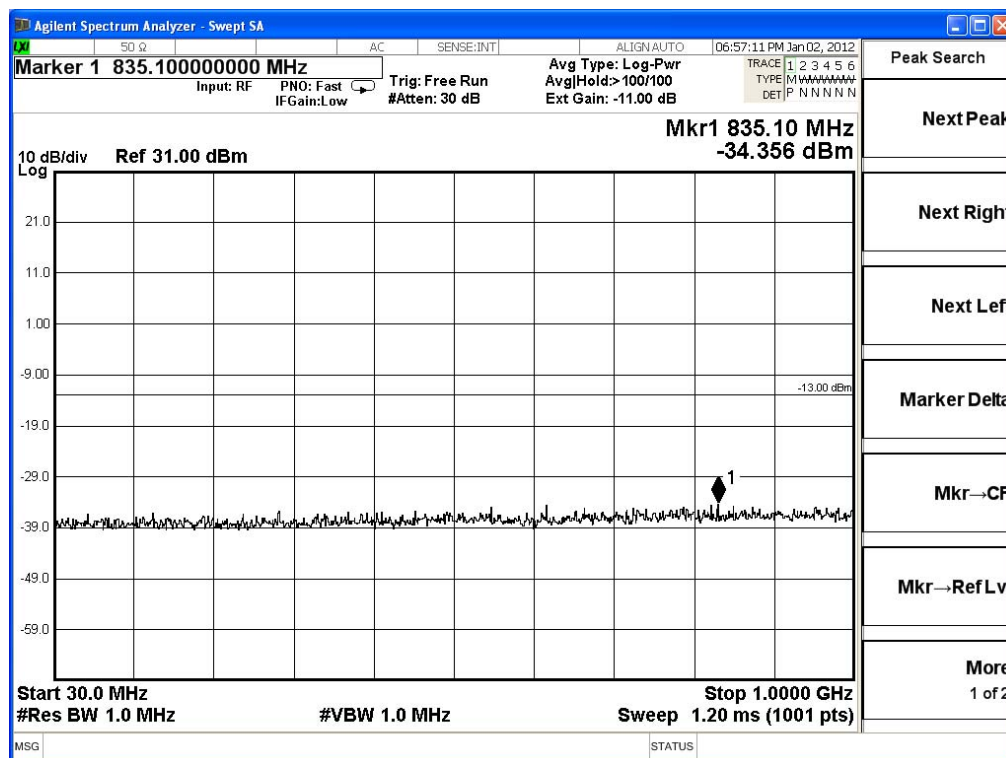


18GHz to 26GHz

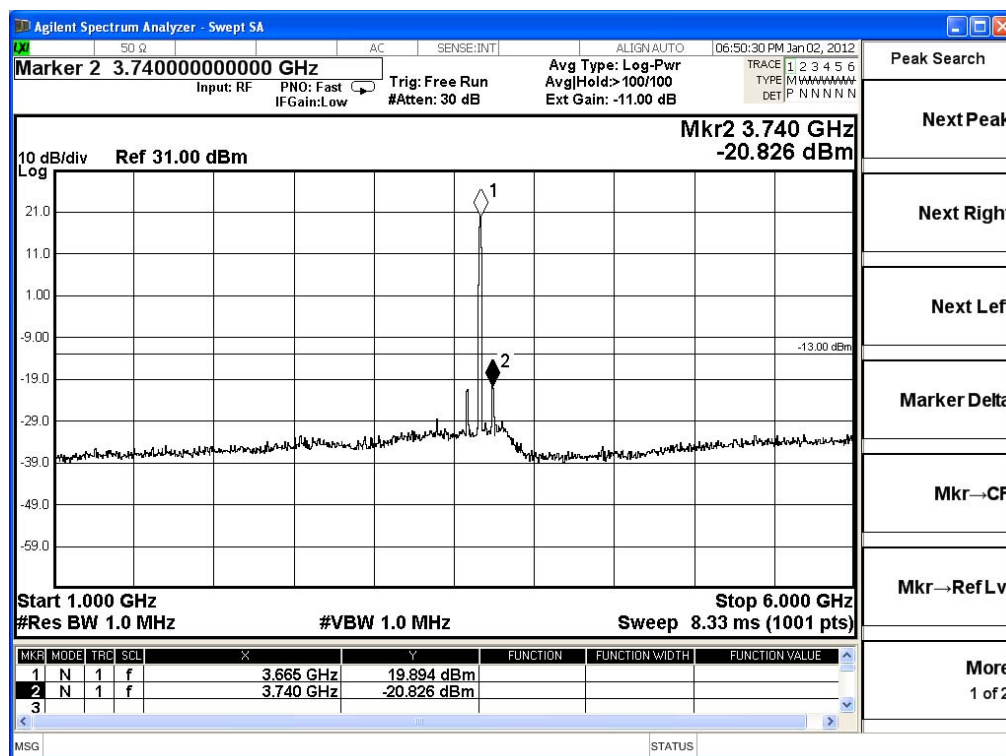


10MHz_3655MHz_QPSK3/4 (ANT 1)

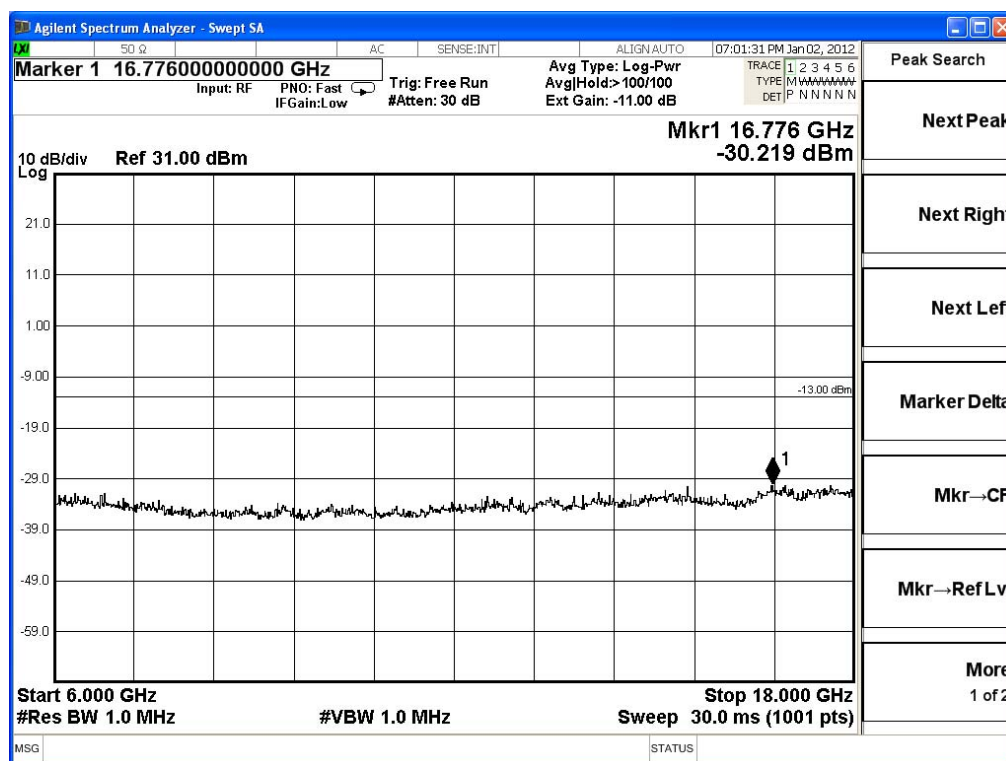
30MHz to 1GHz



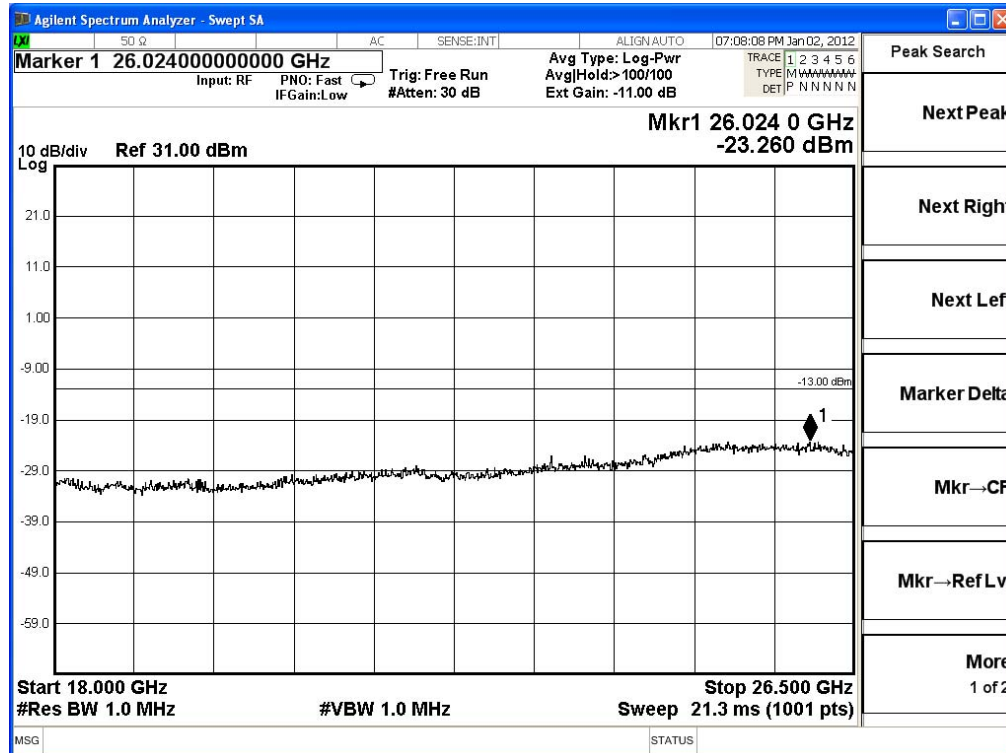
1GHz to 6GHz



6GHz to 18GHz

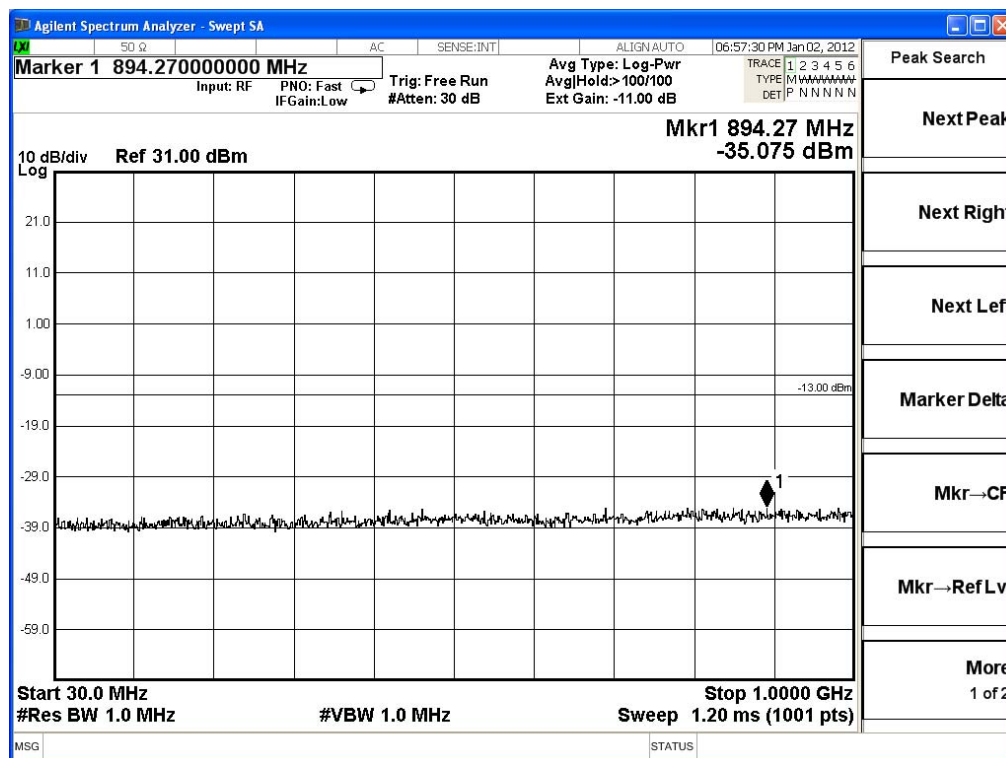


18GHz to 26GHz

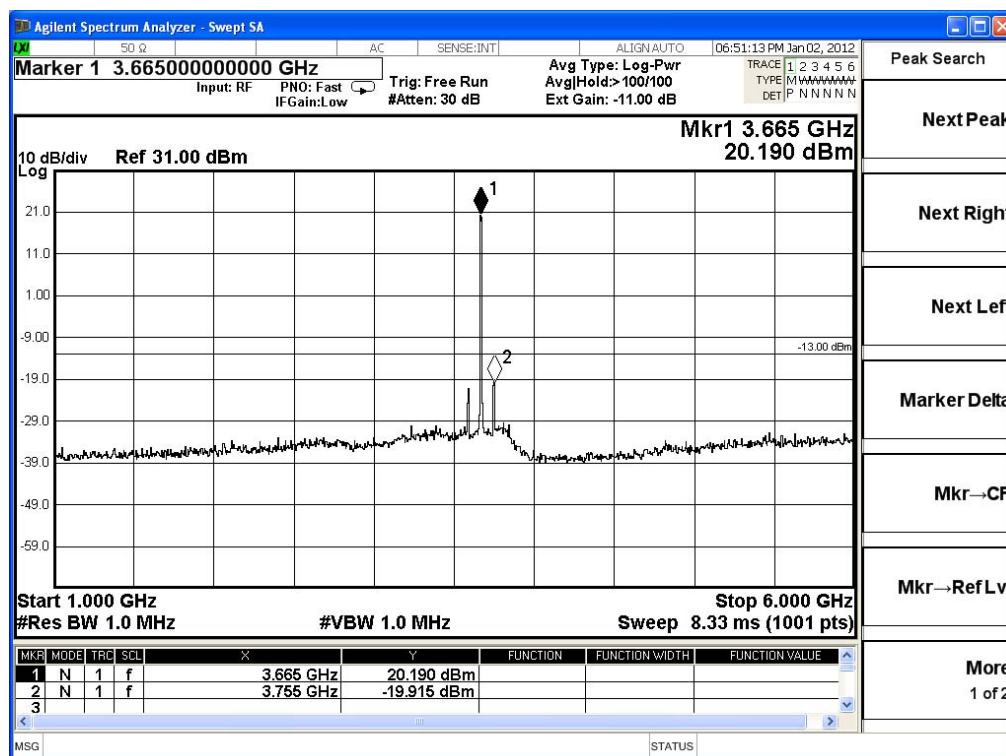


10MHz_3655MHz_QPSK3/4 (ANT 1)

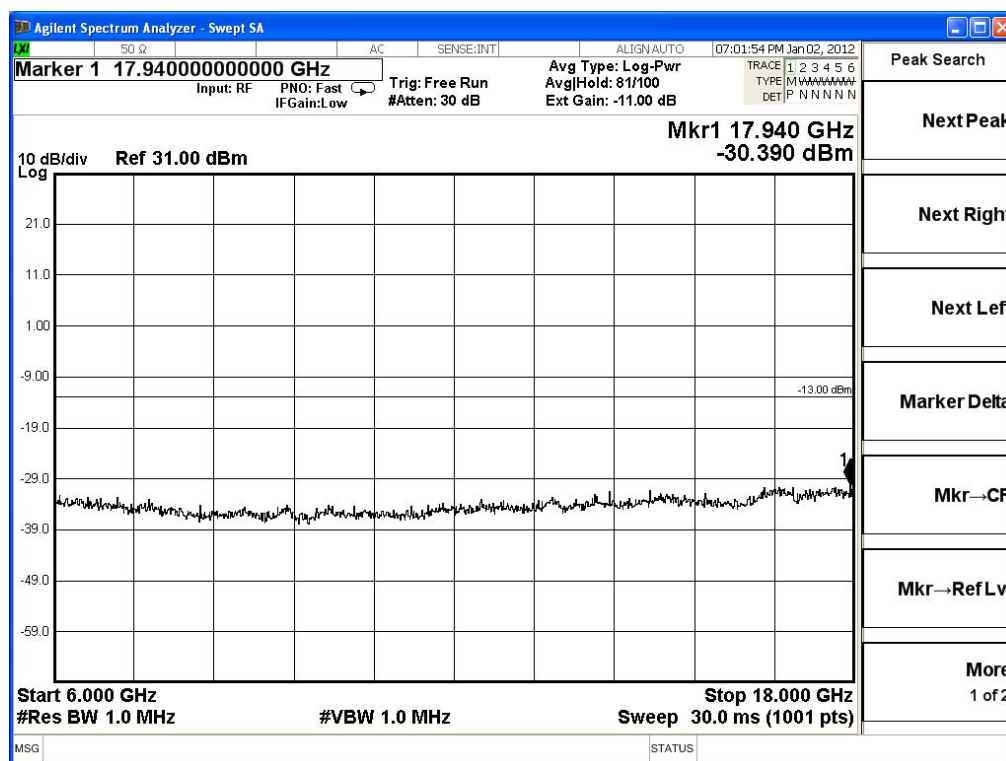
30MHz to 1GHz



1GHz to 6GHz



6GHz to 18GHz



18GHz to 26GHz

