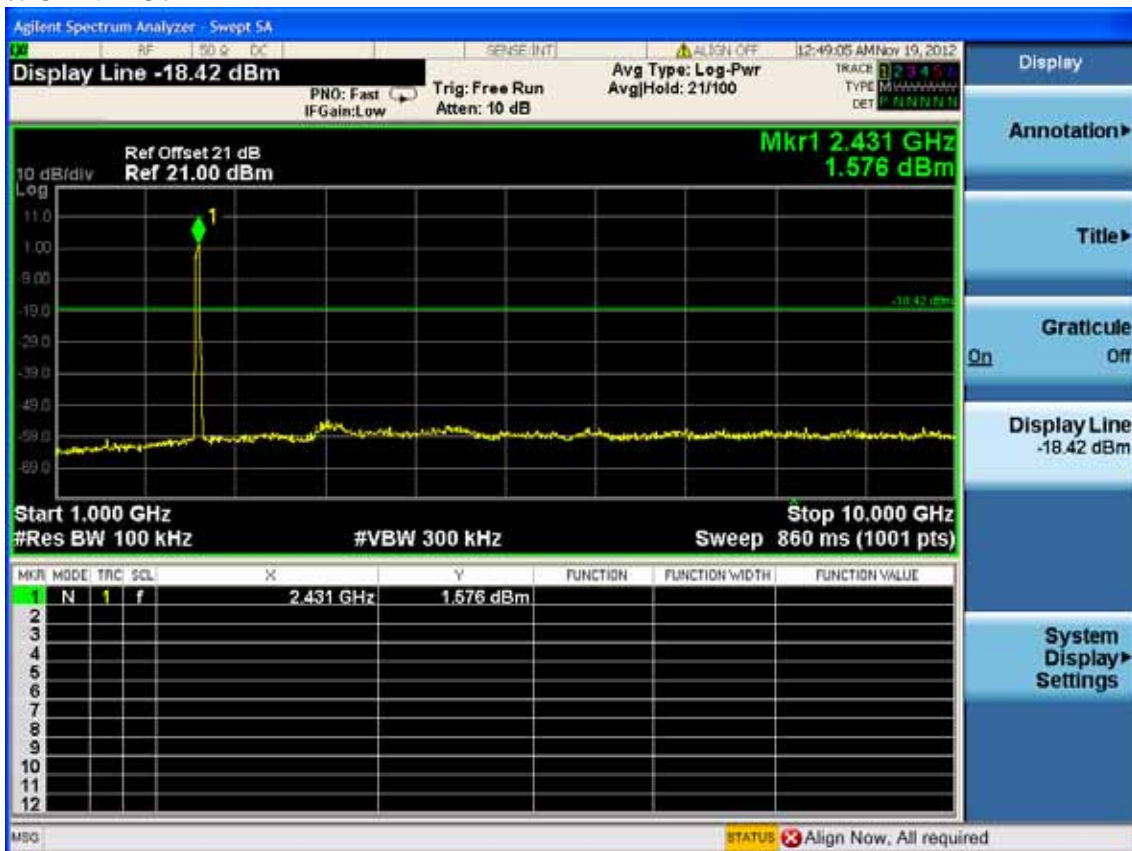
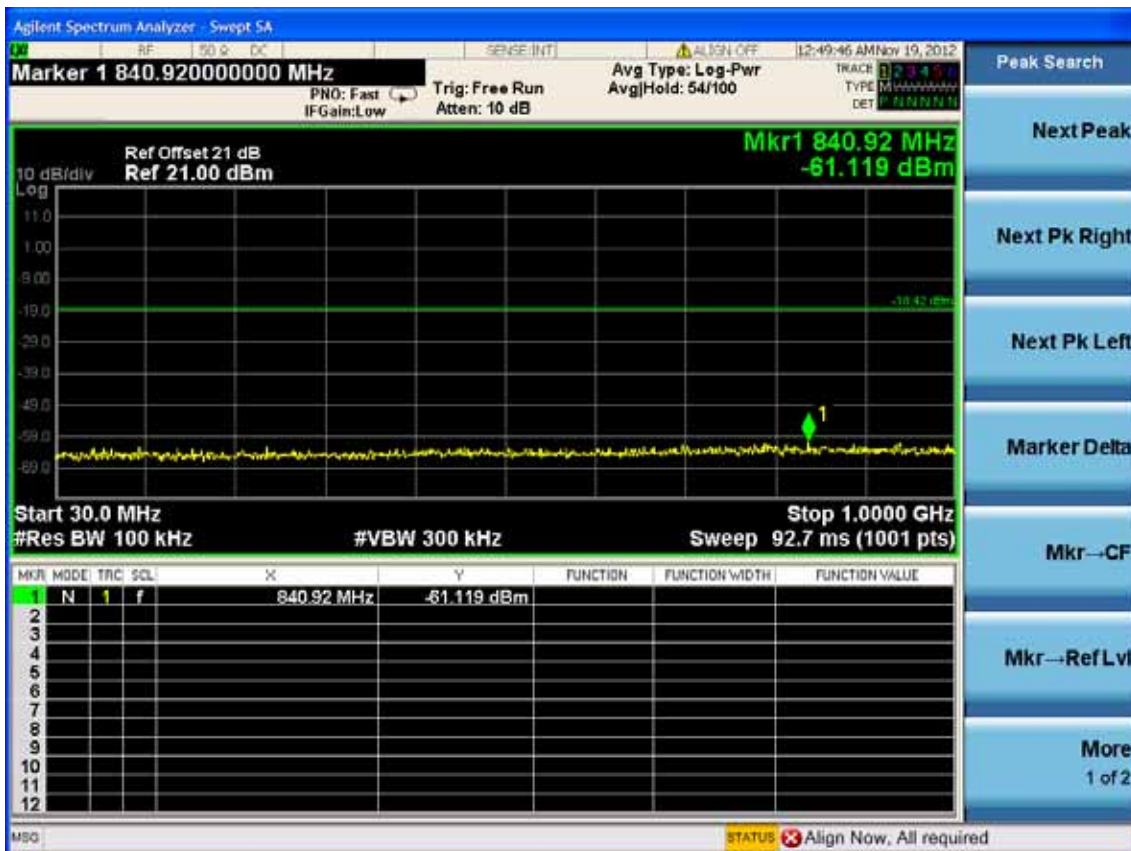
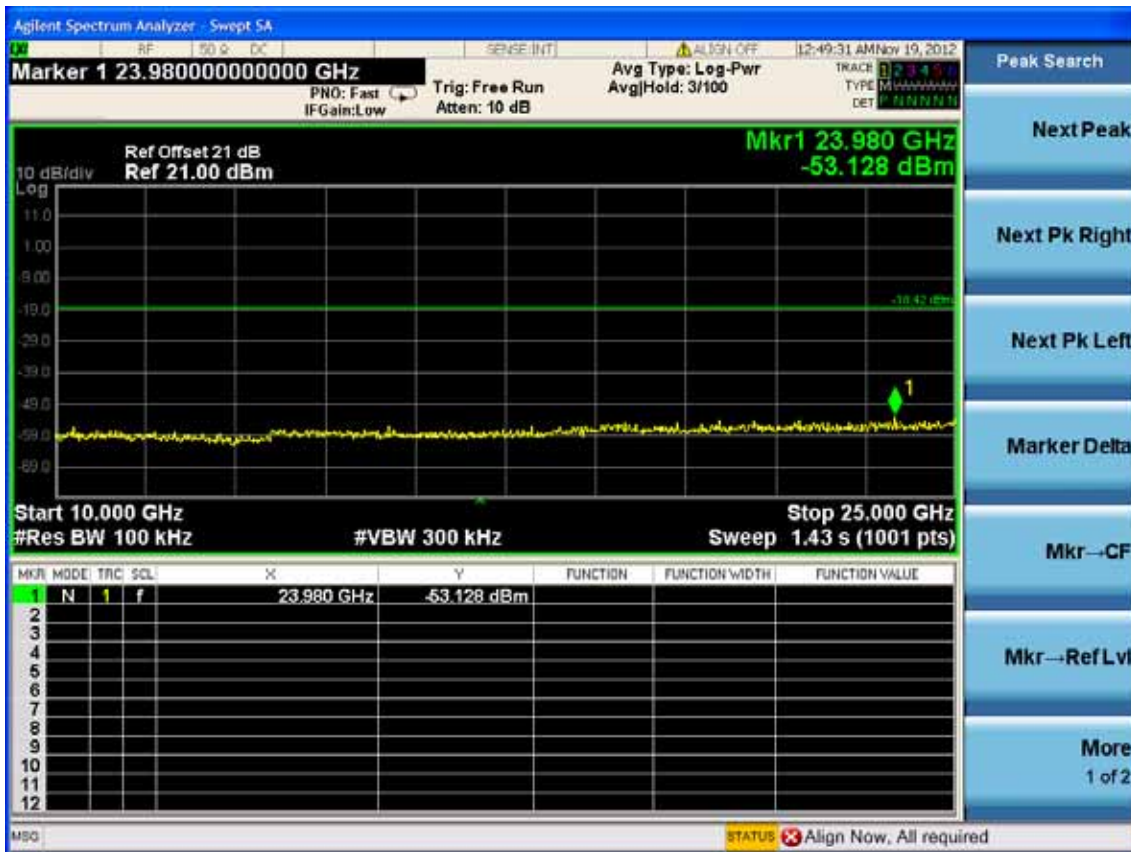
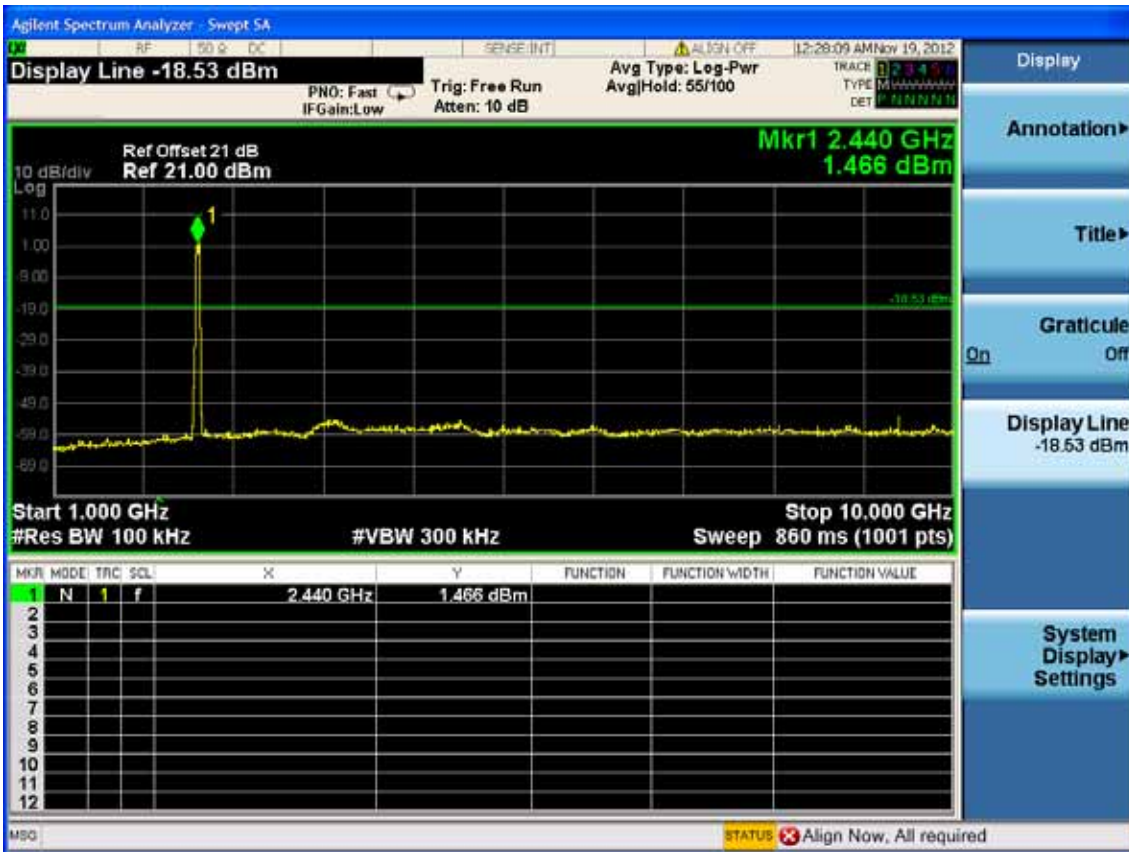


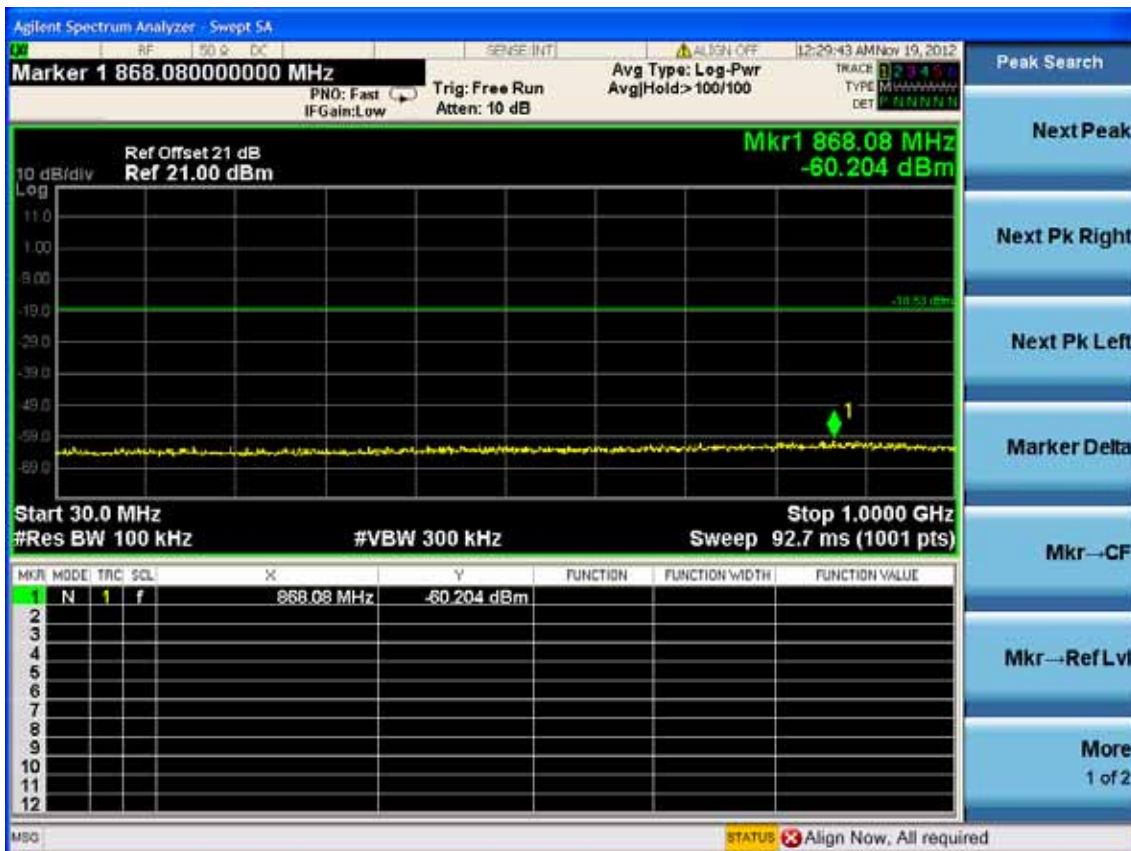
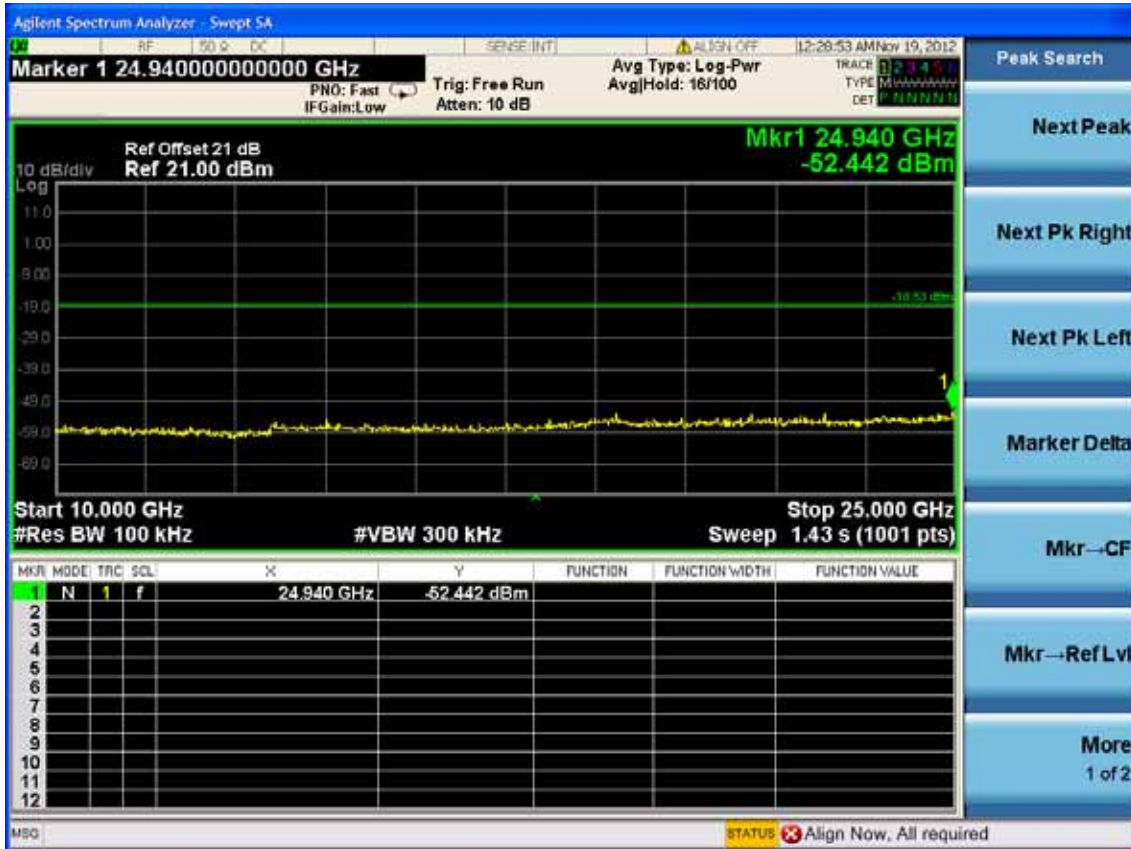
Test CH4: 2437MHz





Test CH7: 2452MHz

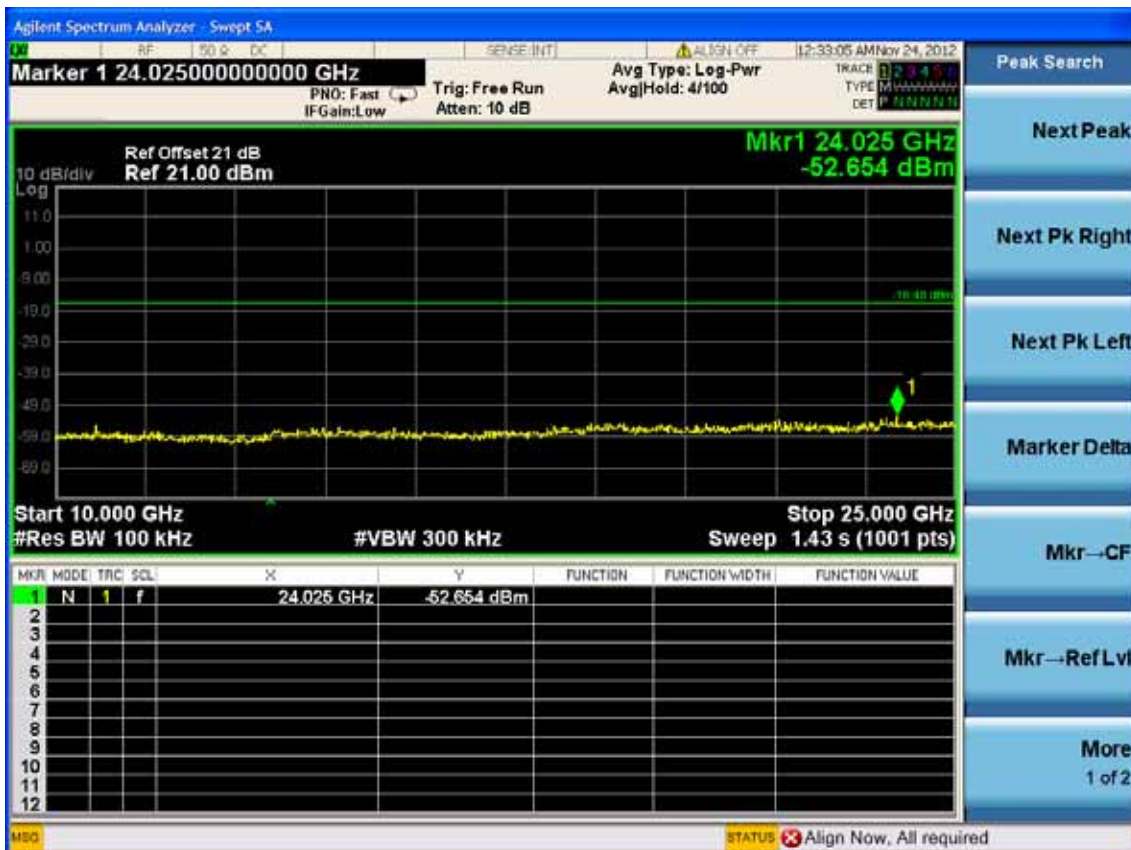
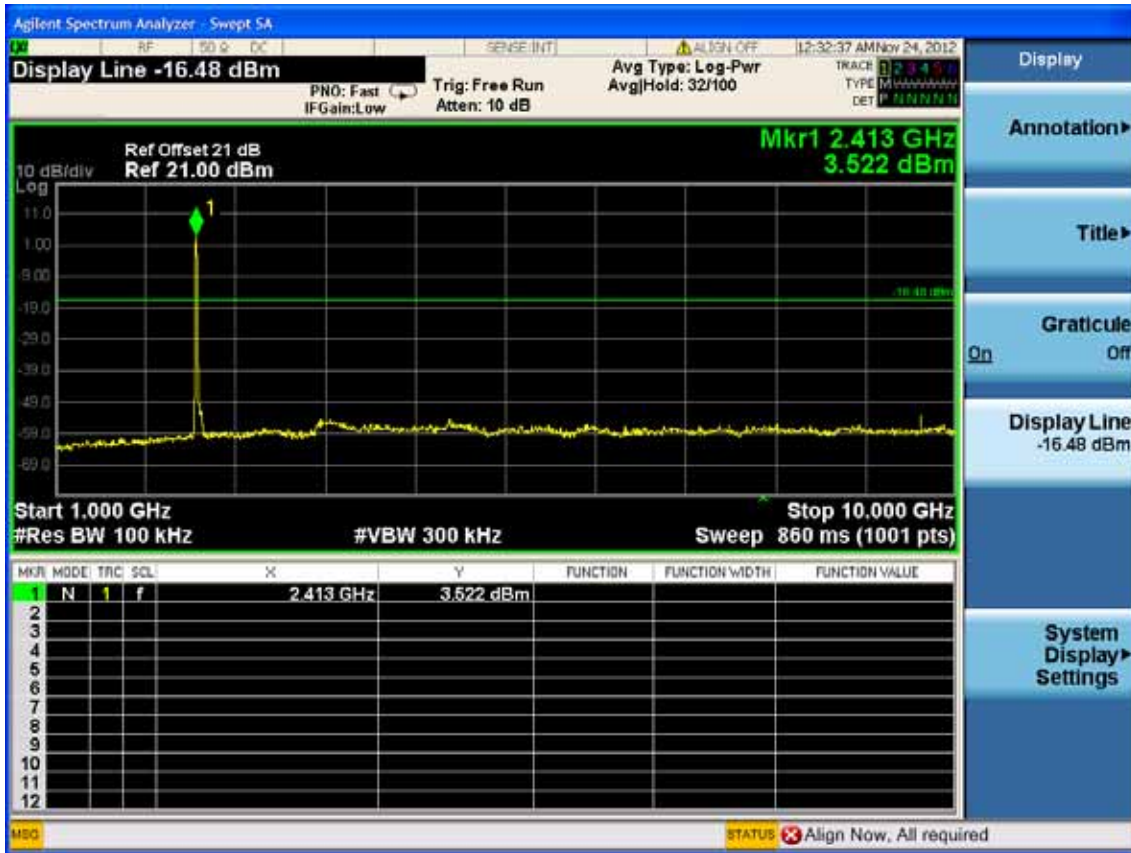


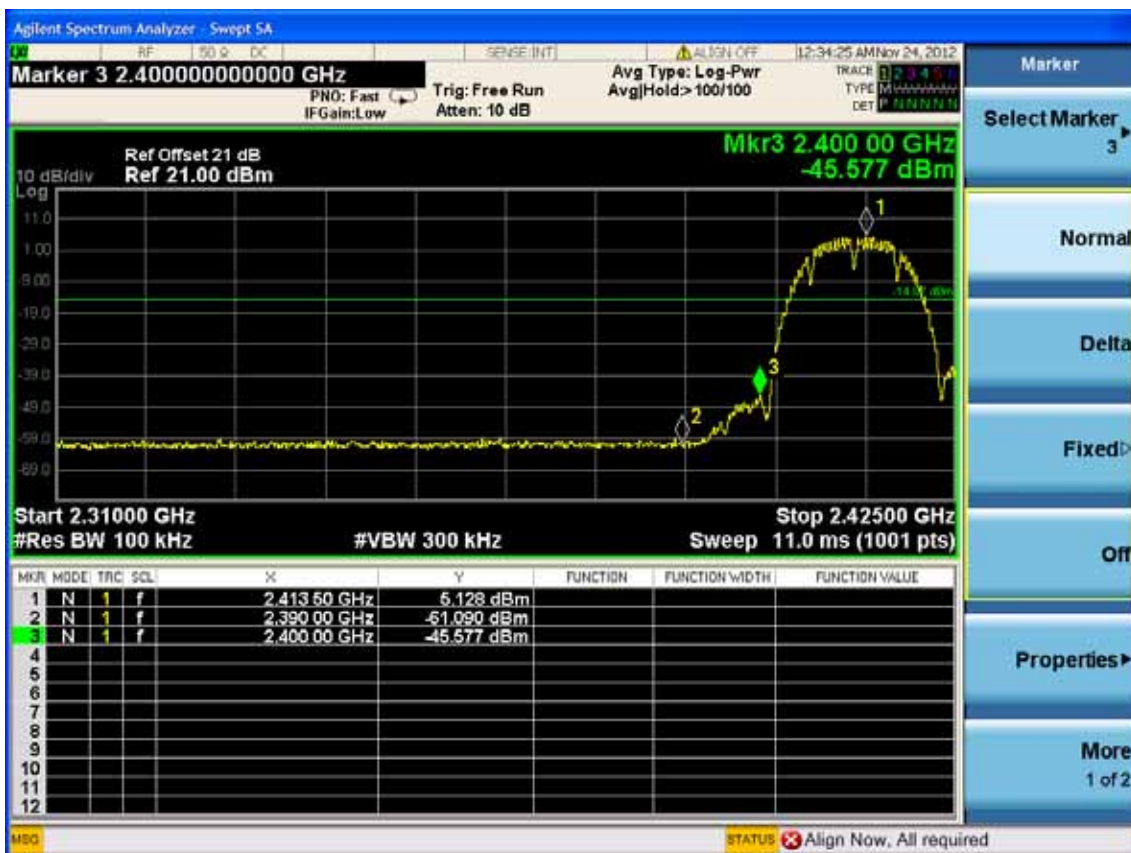
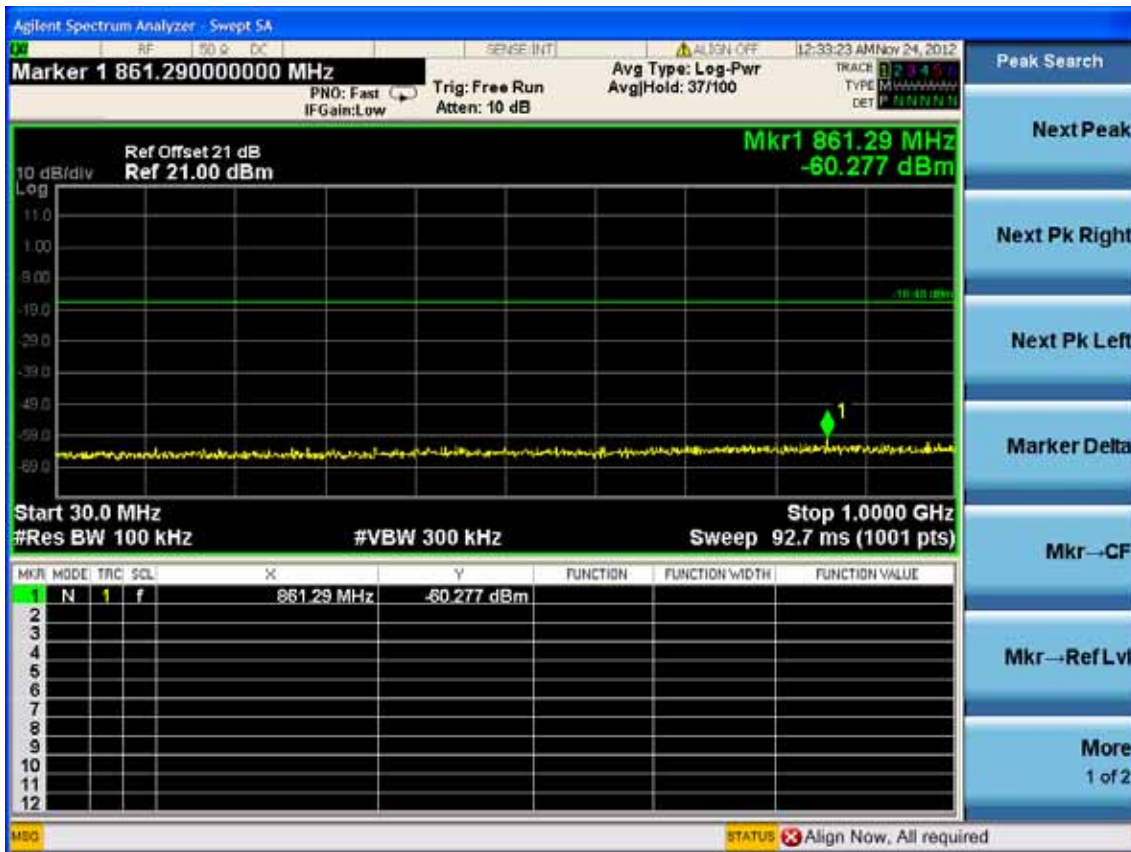


ANT 1

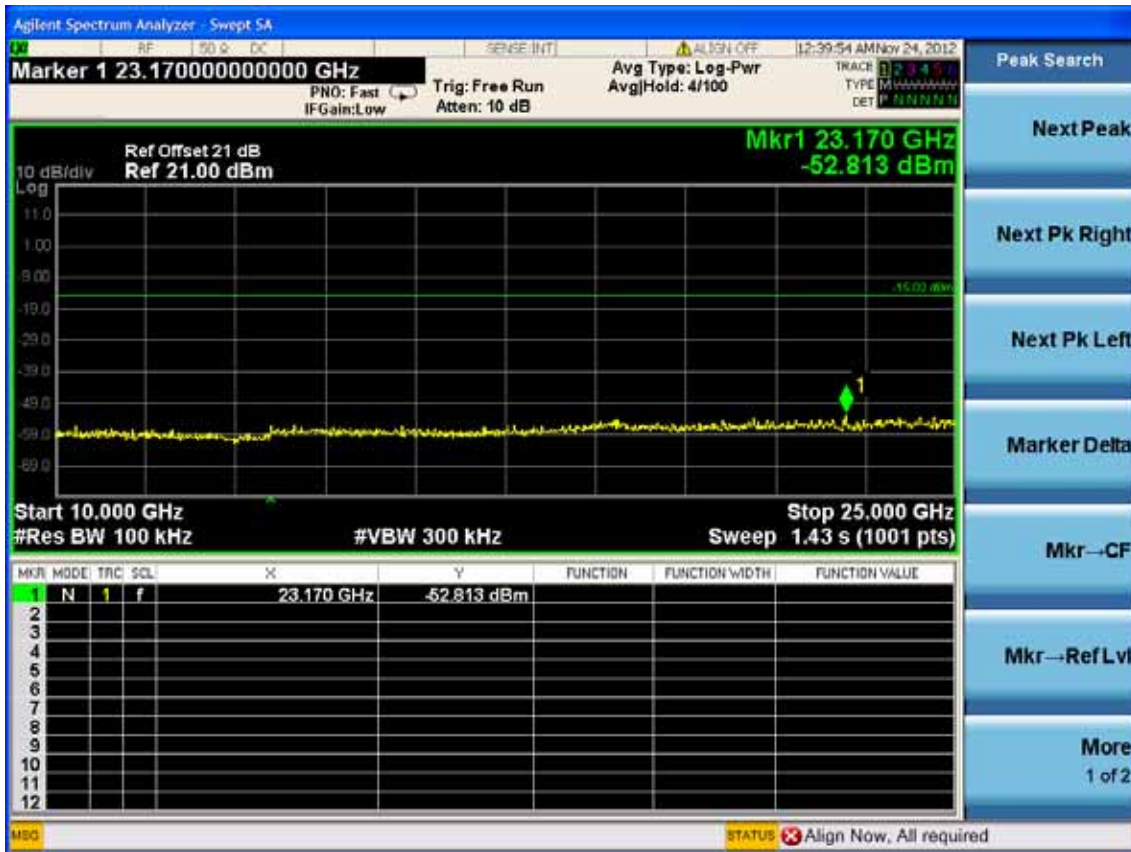
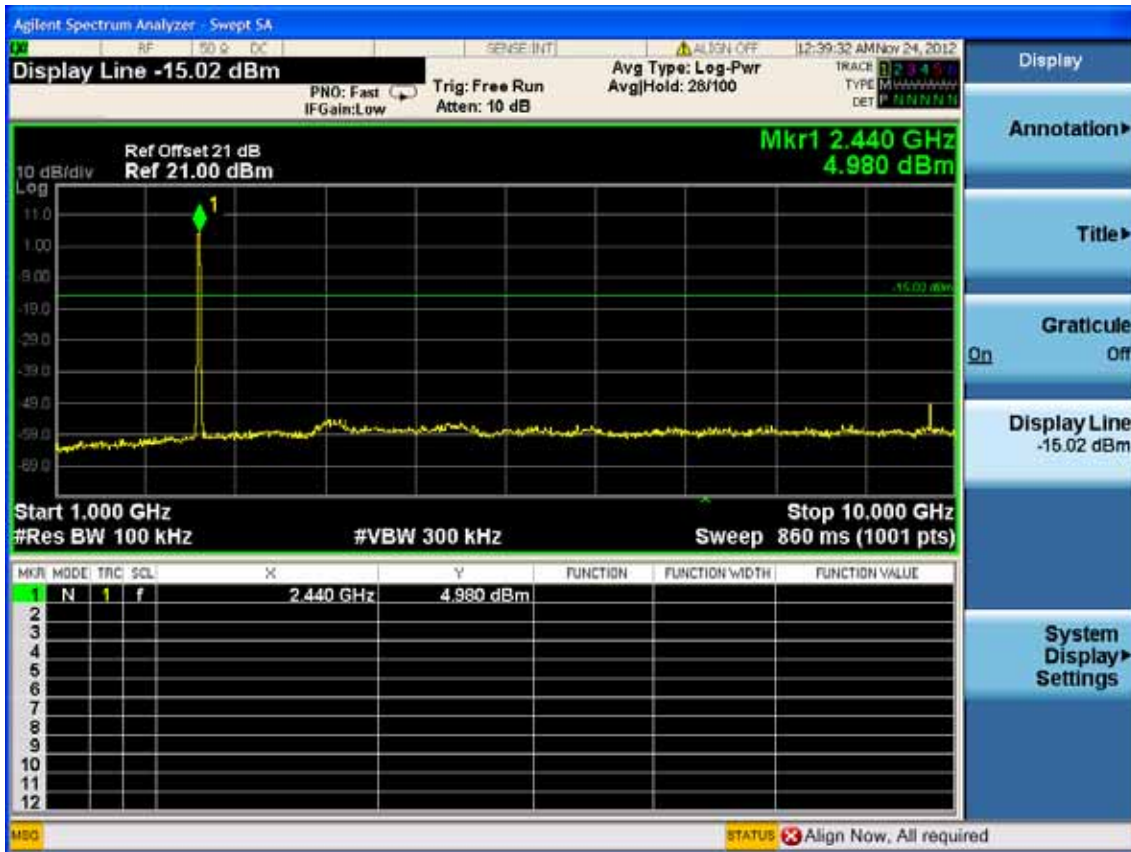
Test Mode: IEEE 802.11b TX

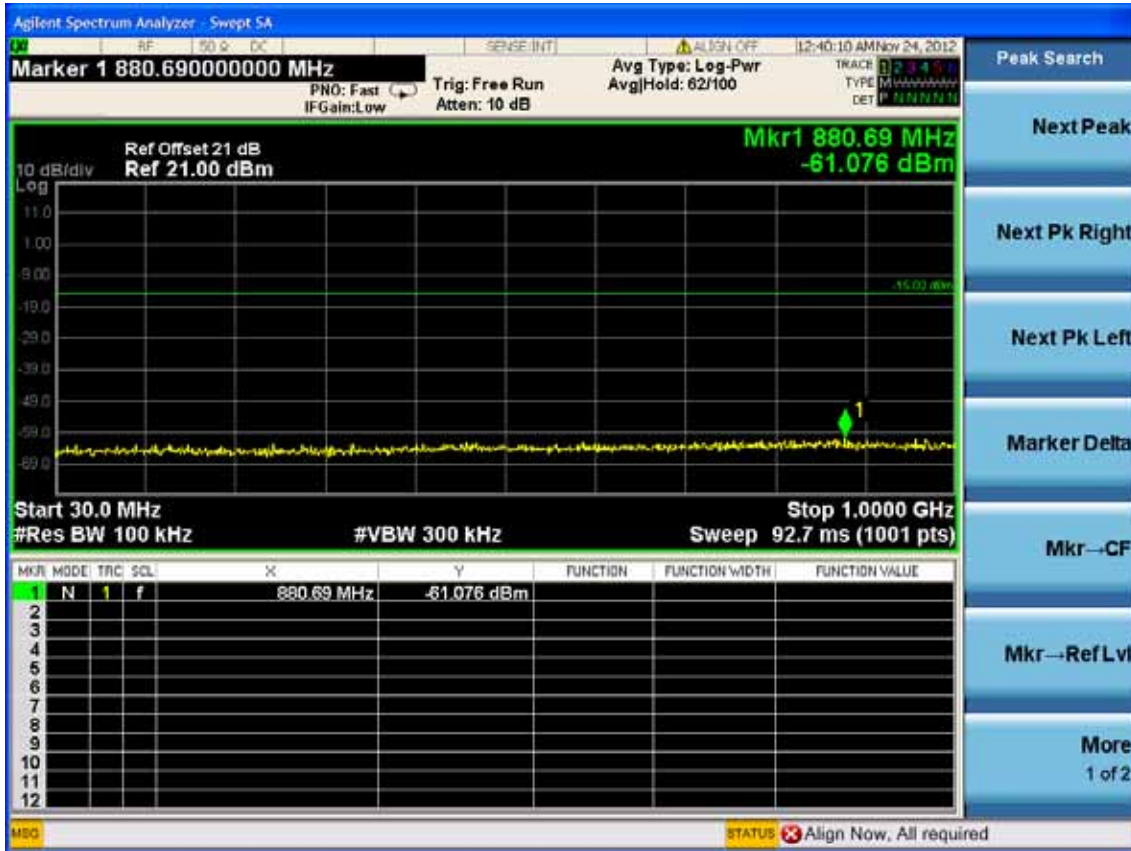
Test CH1: 2412MHz



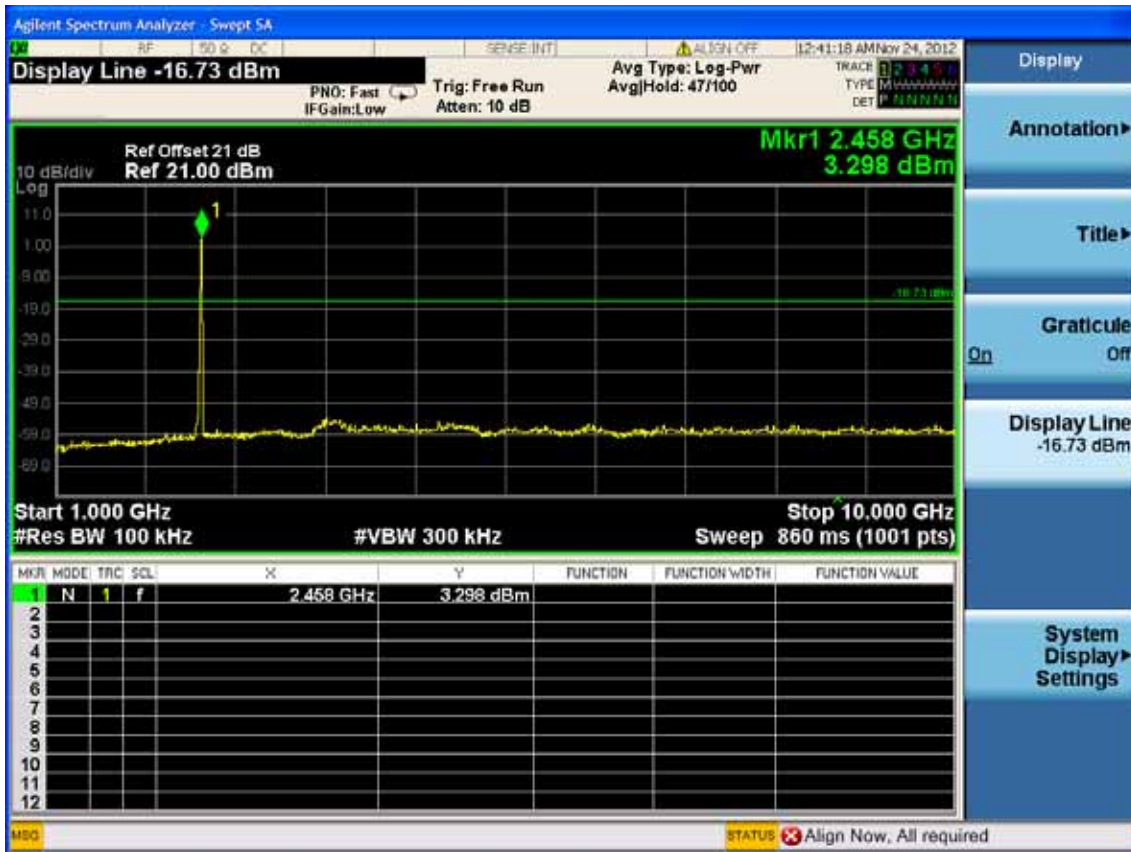


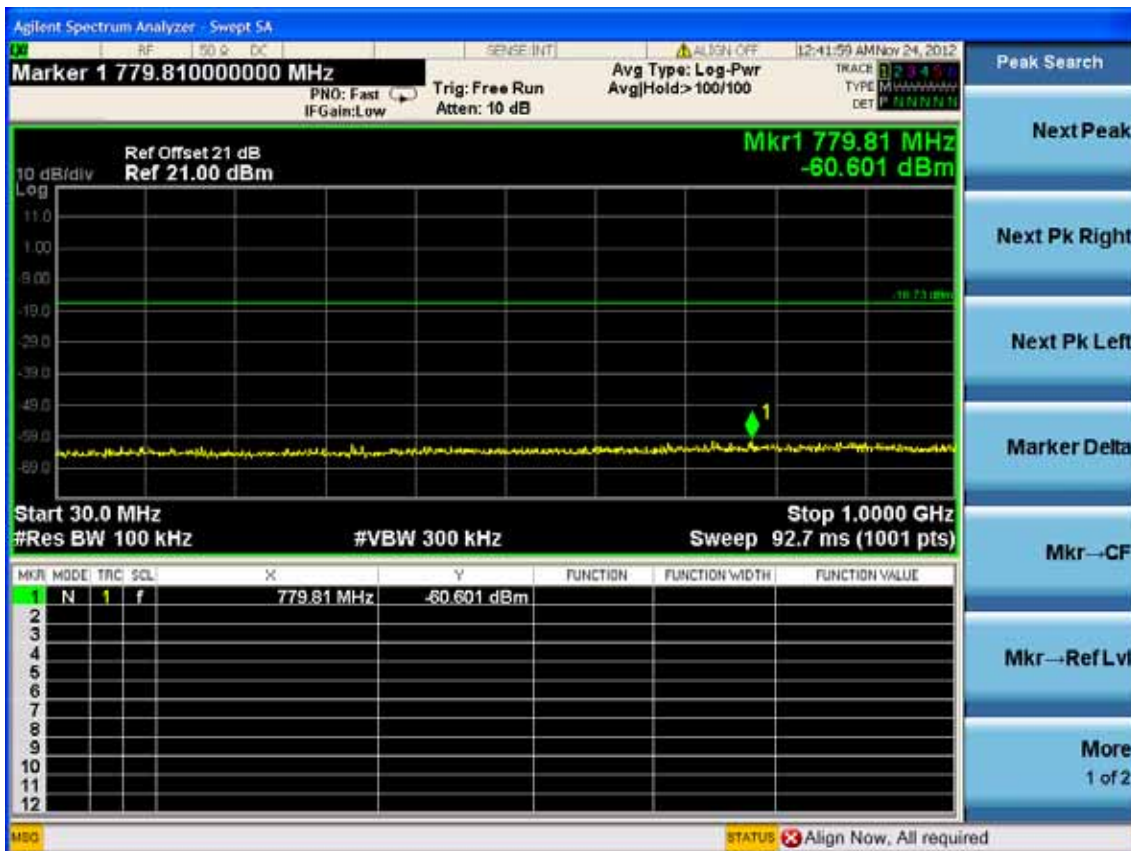
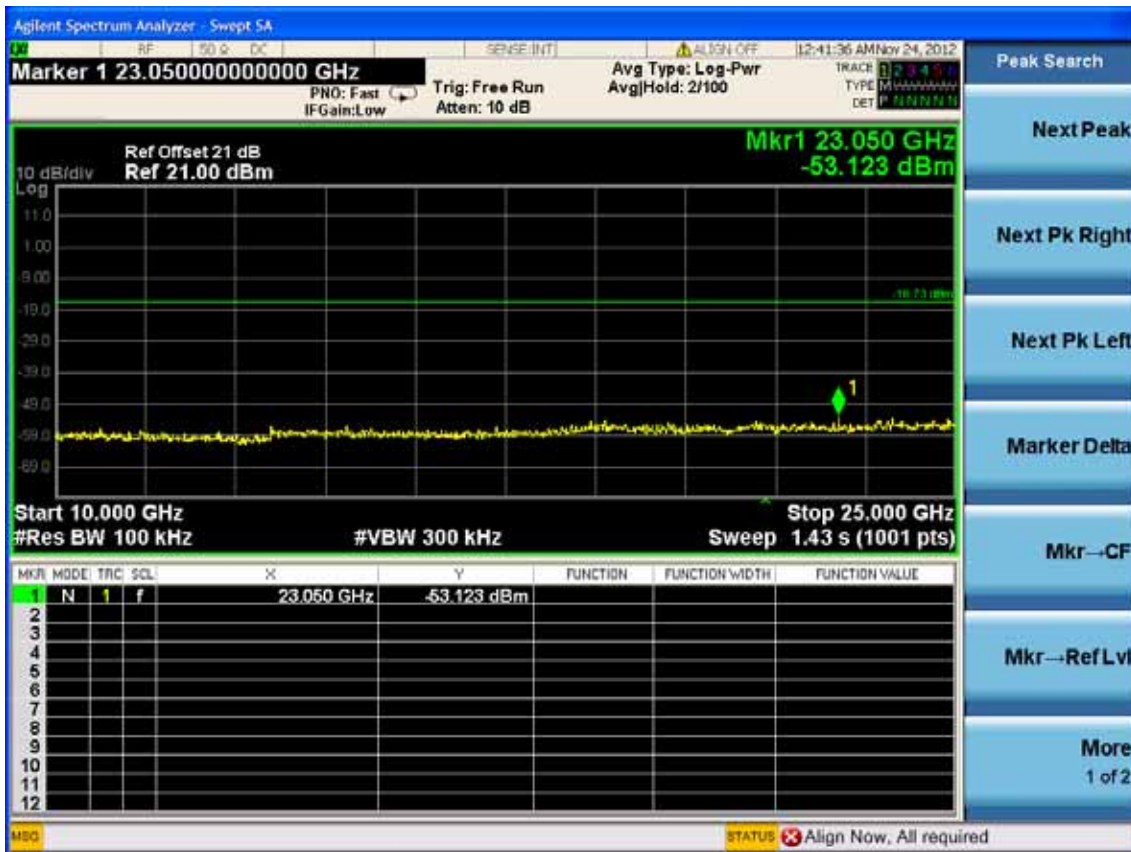
Test CH6: 2437MHz





Test CH11: 2462MHz

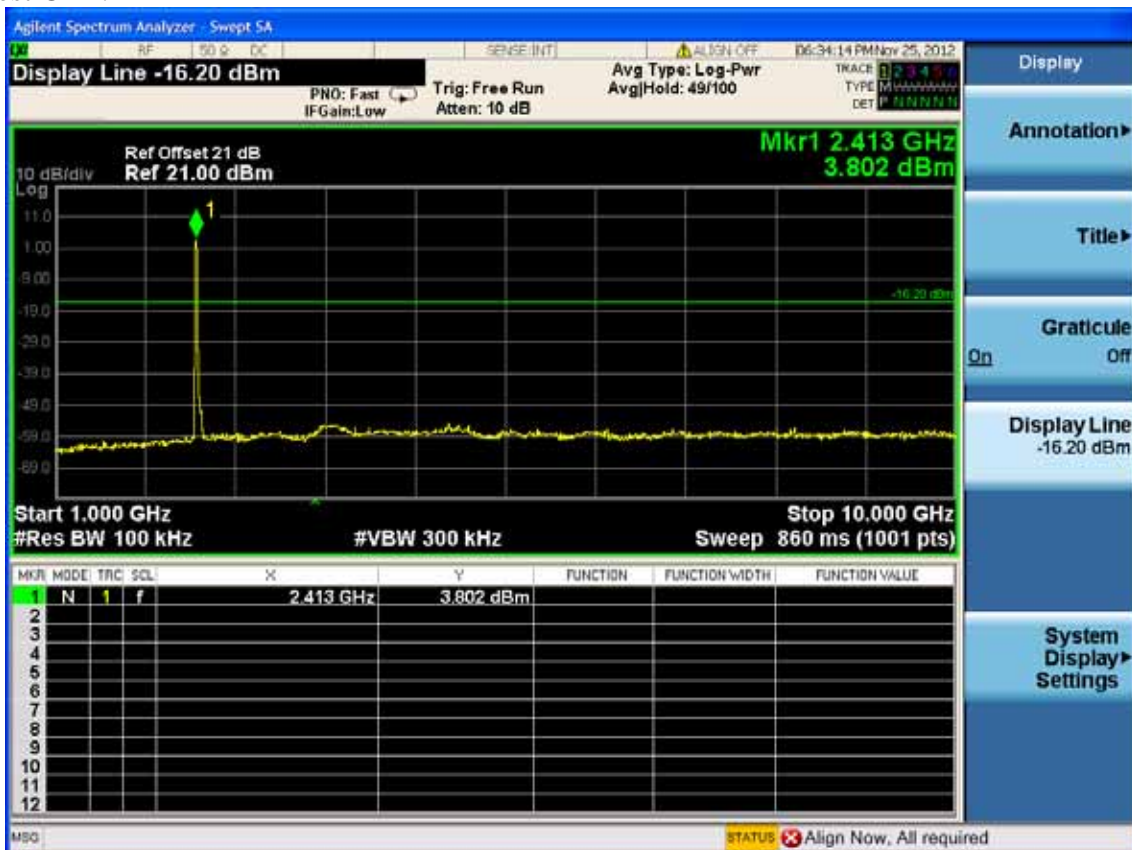


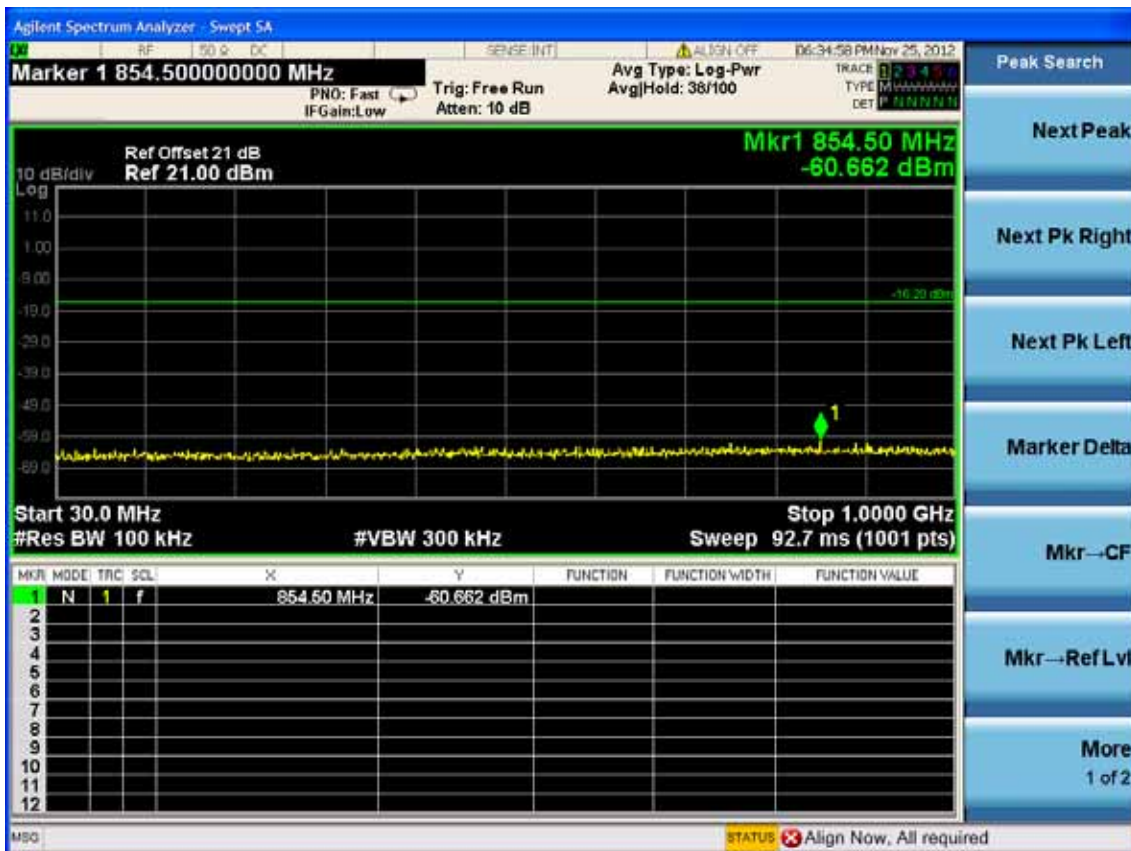
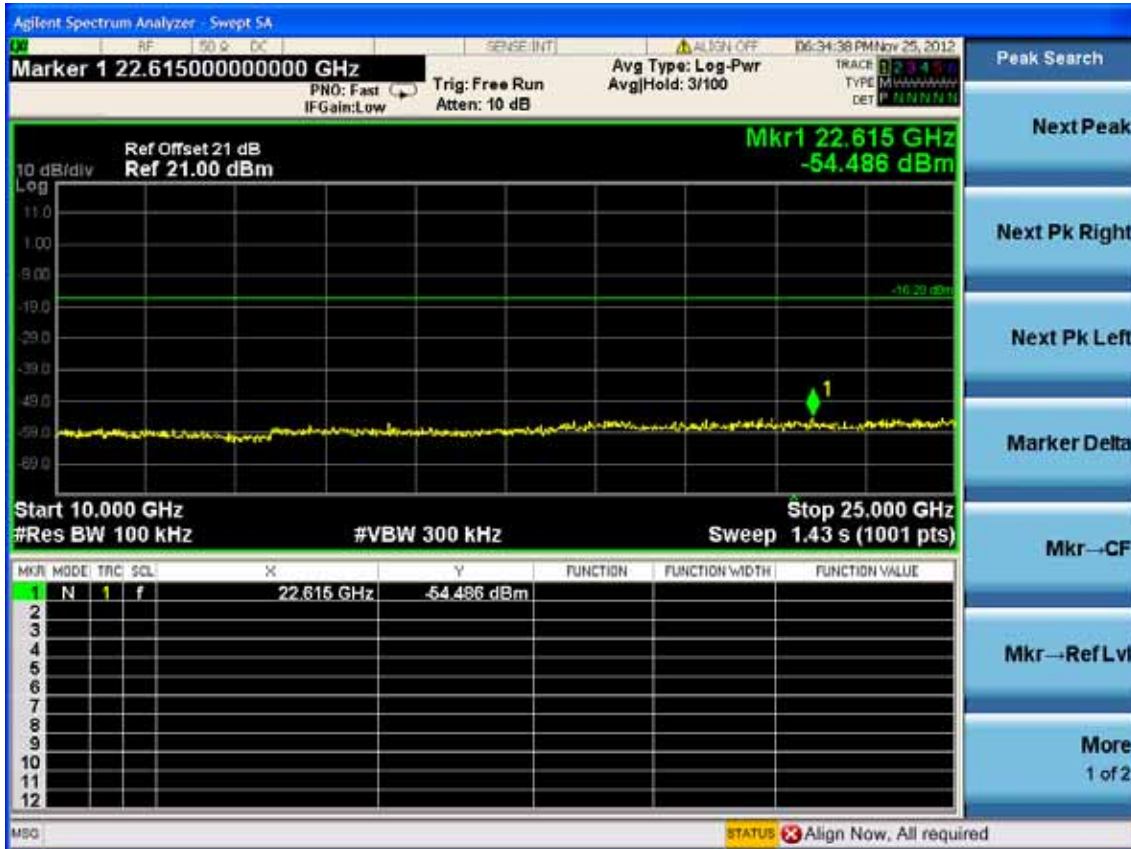


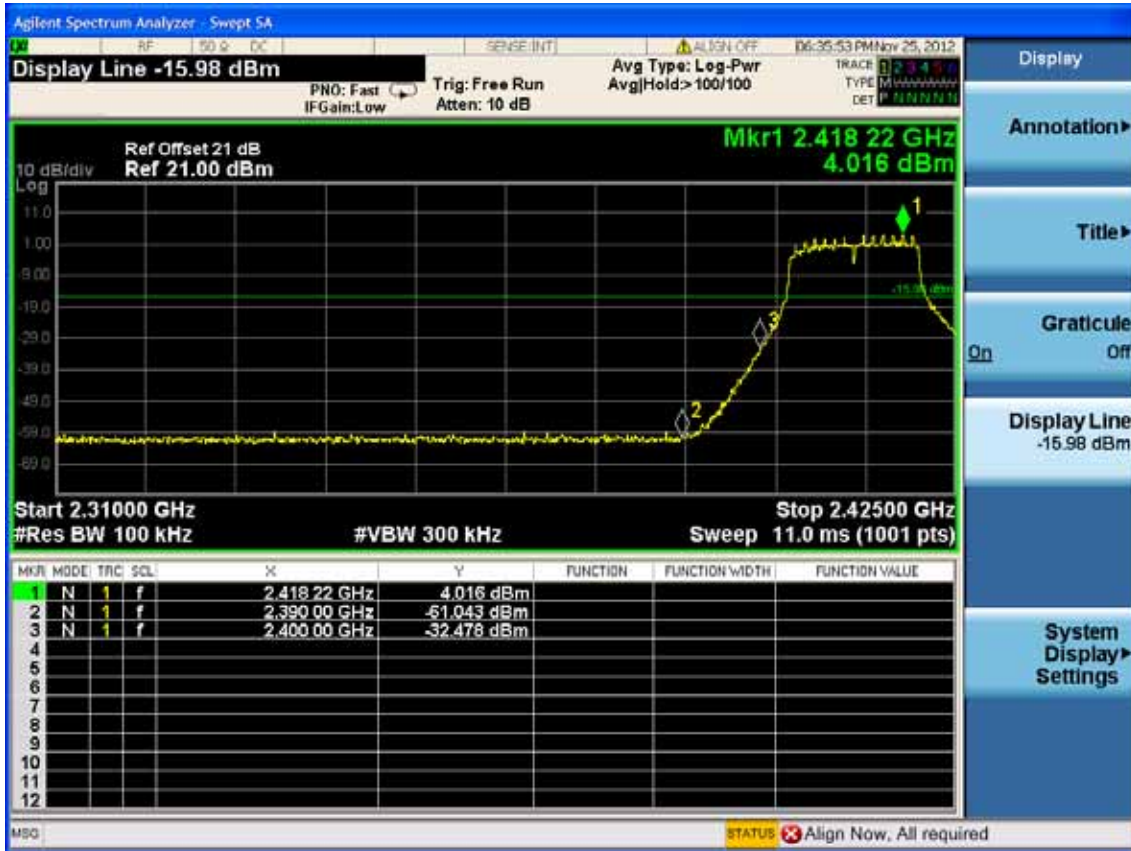


Test Mode: IEEE 802.11g TX

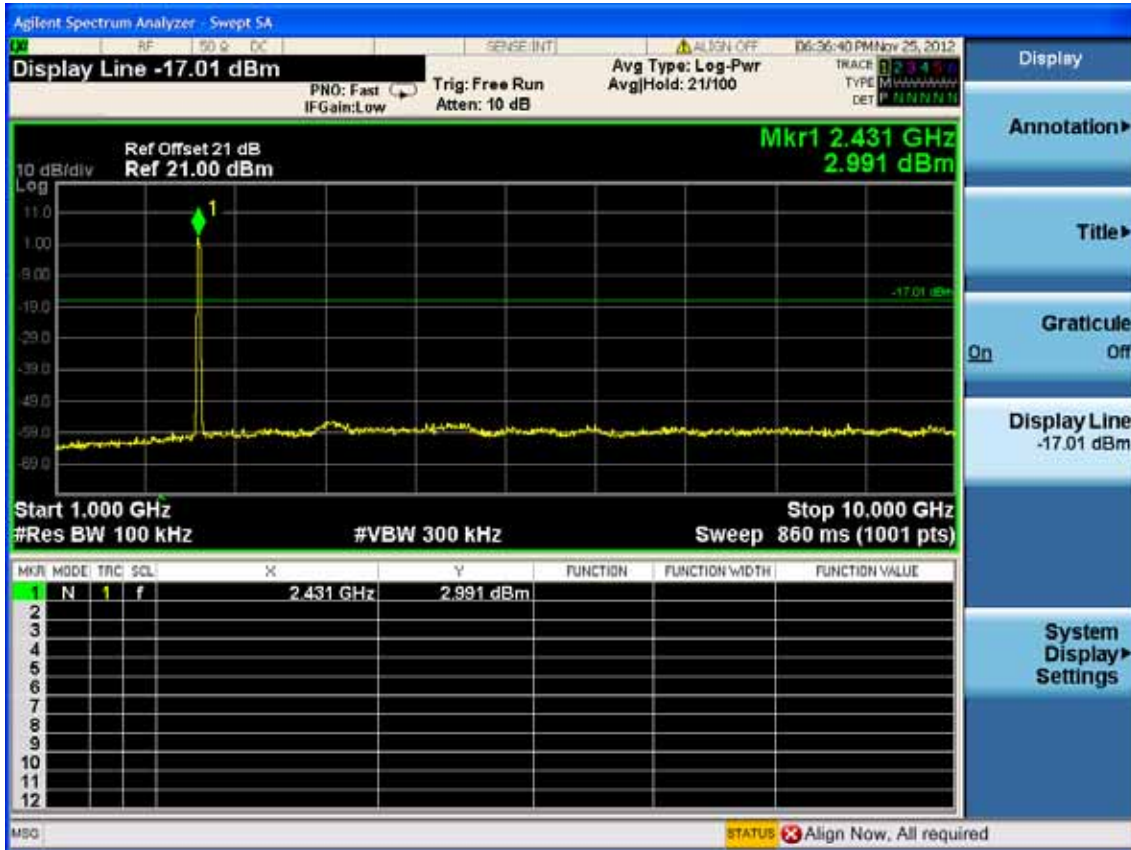
Test CH1: 2412MHz

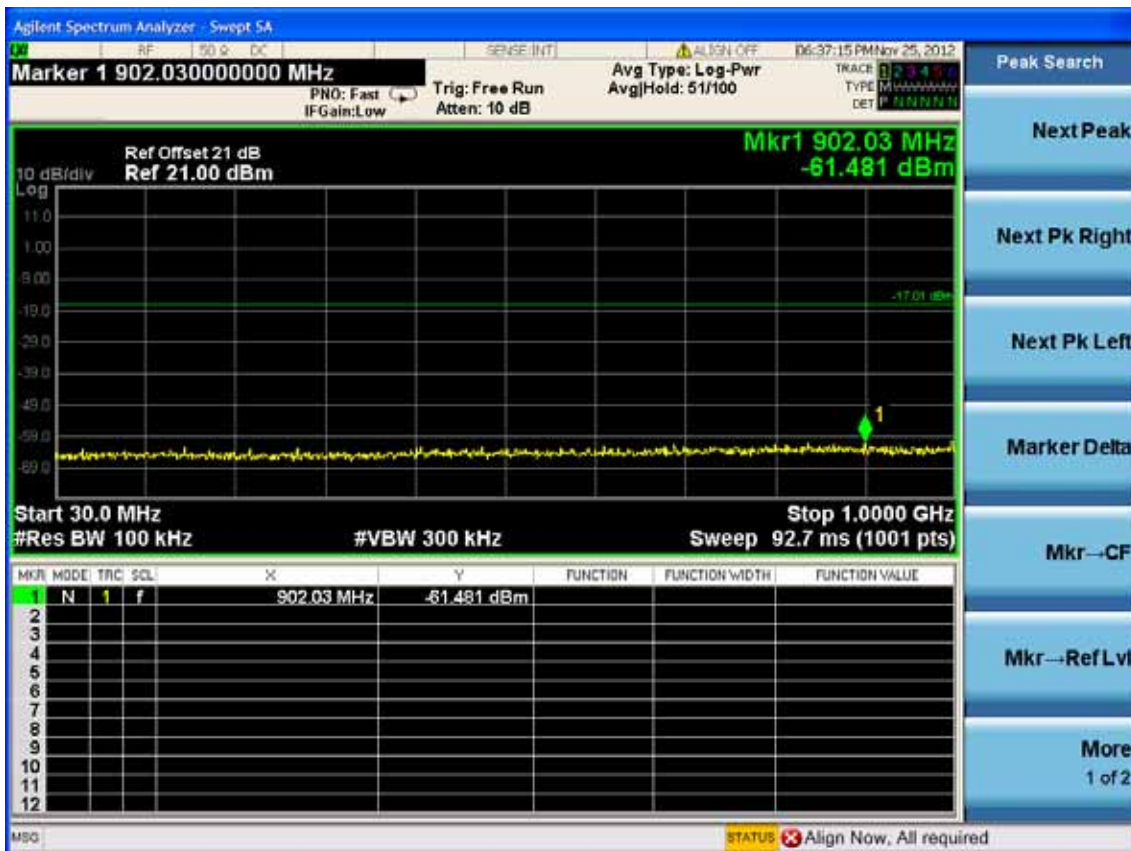
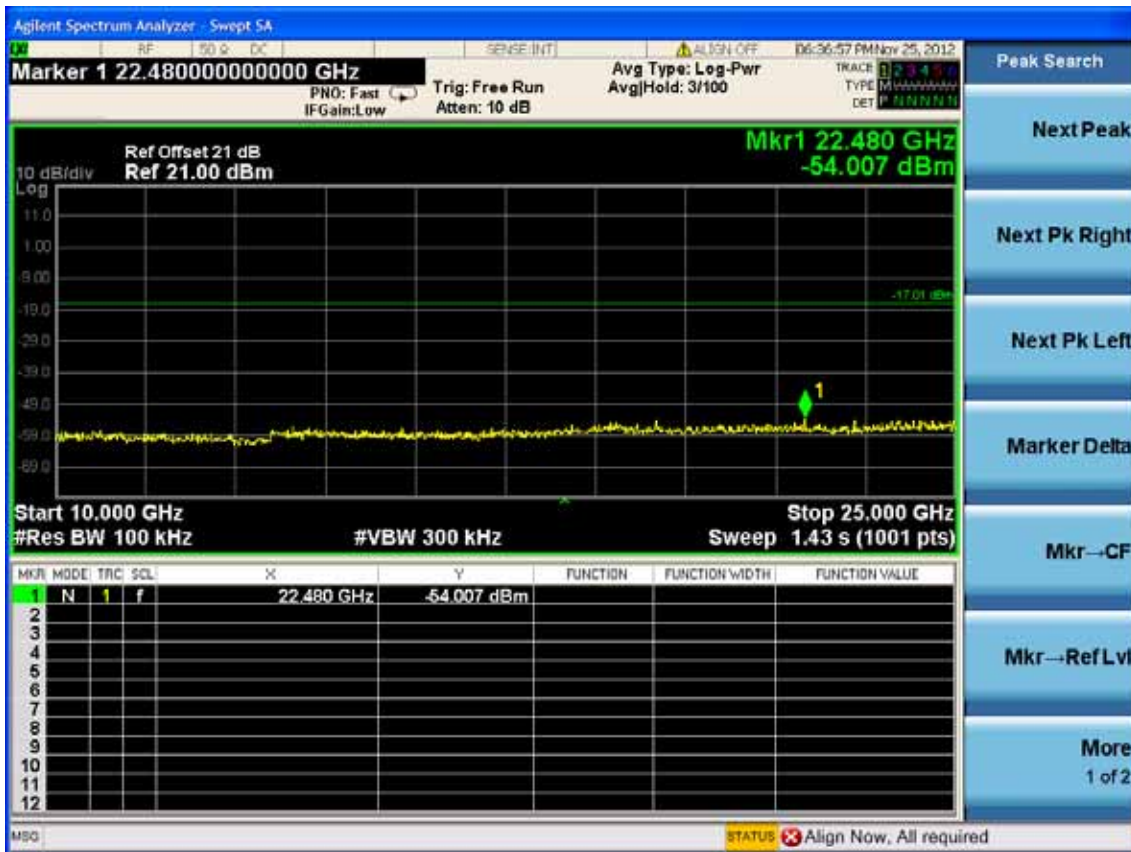




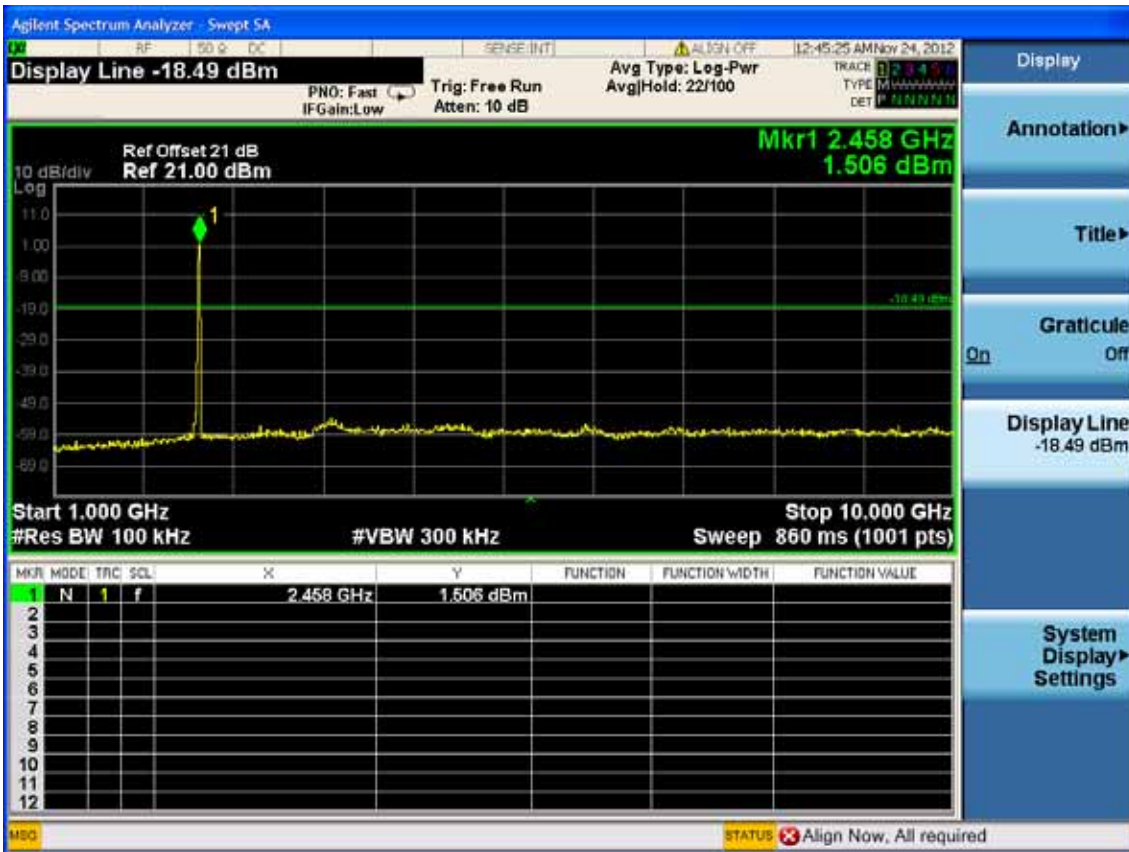


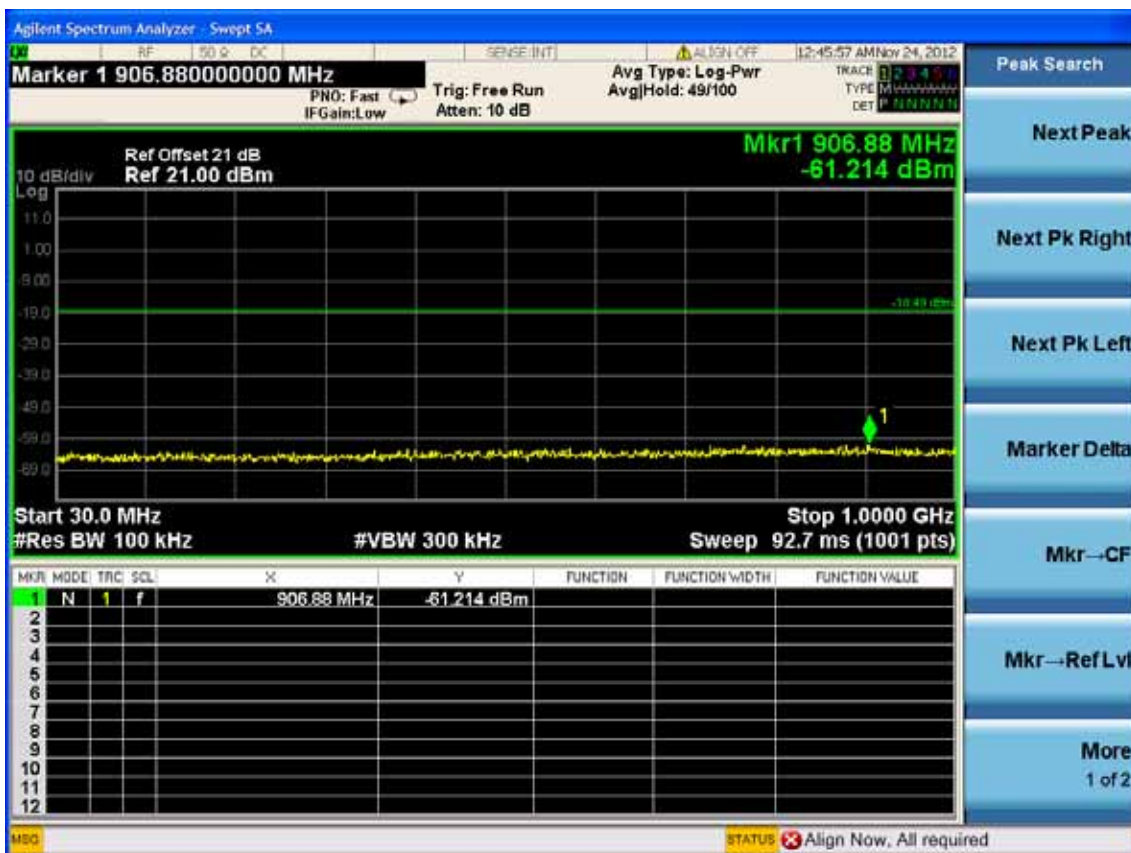
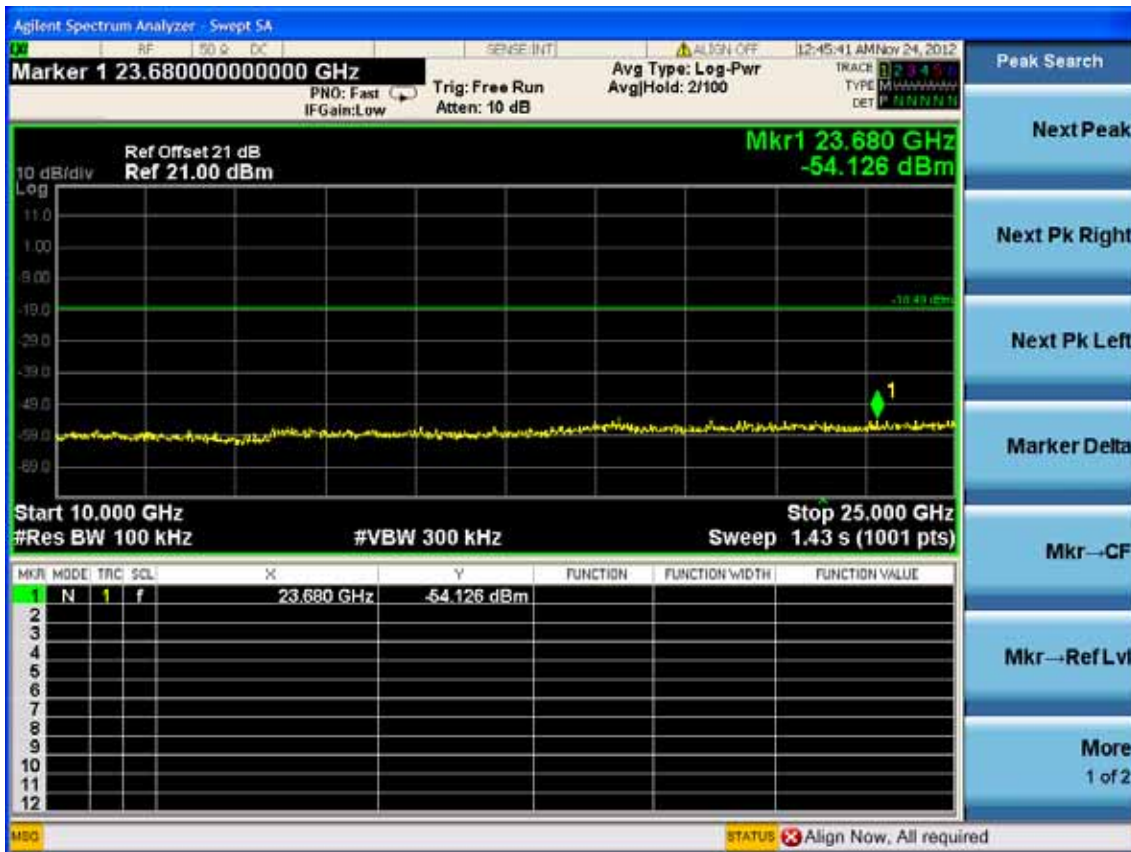
Test CH6: 2437MHz



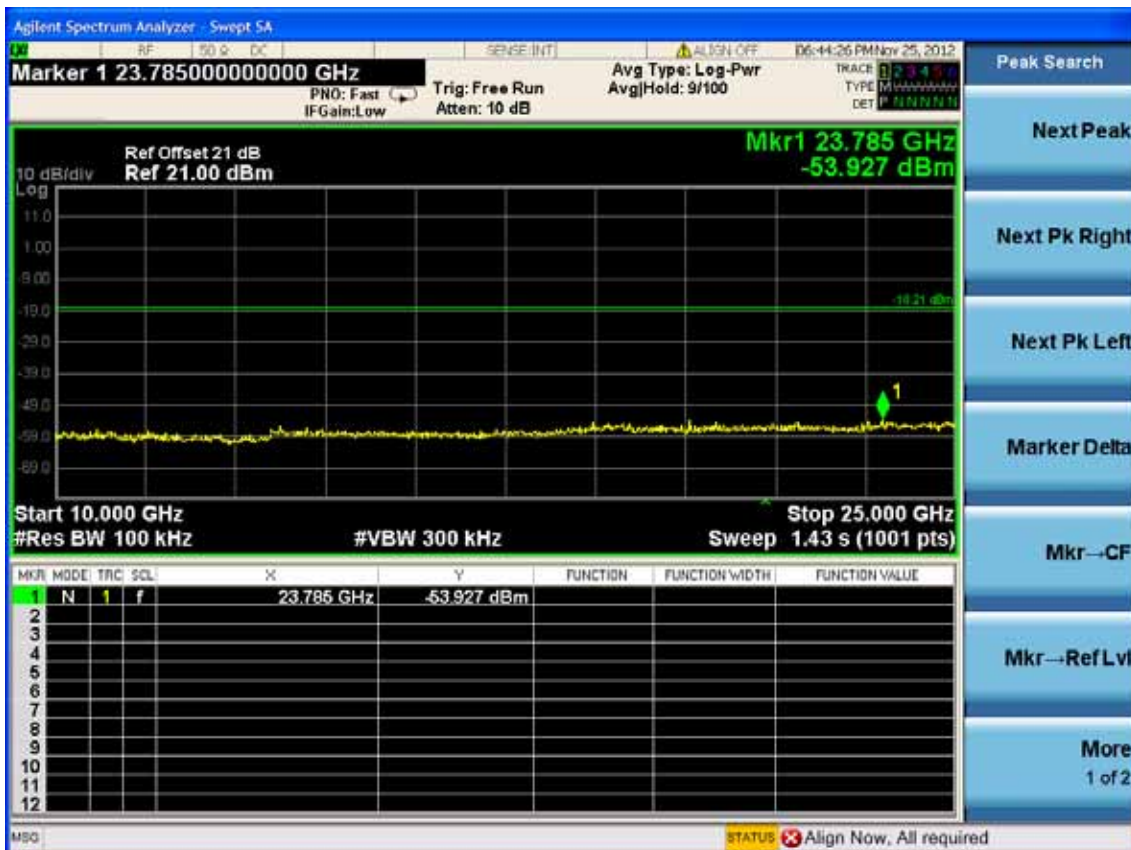
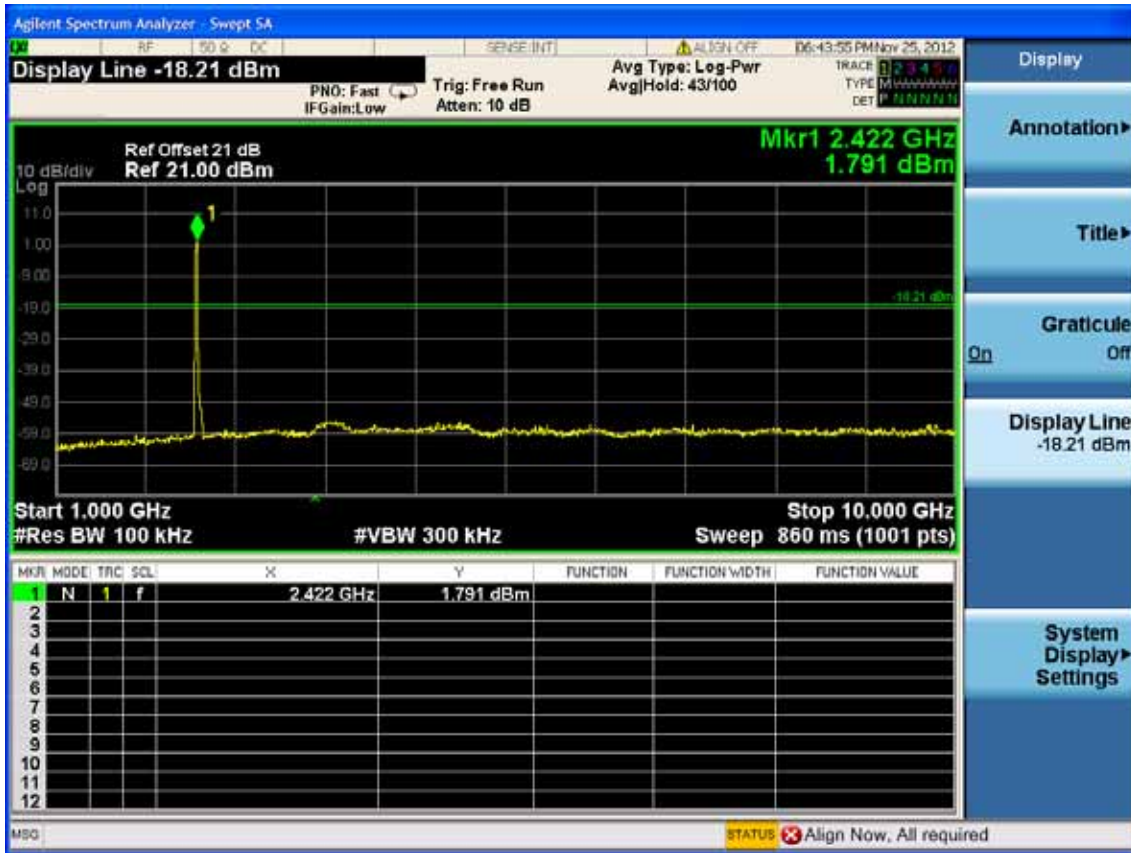


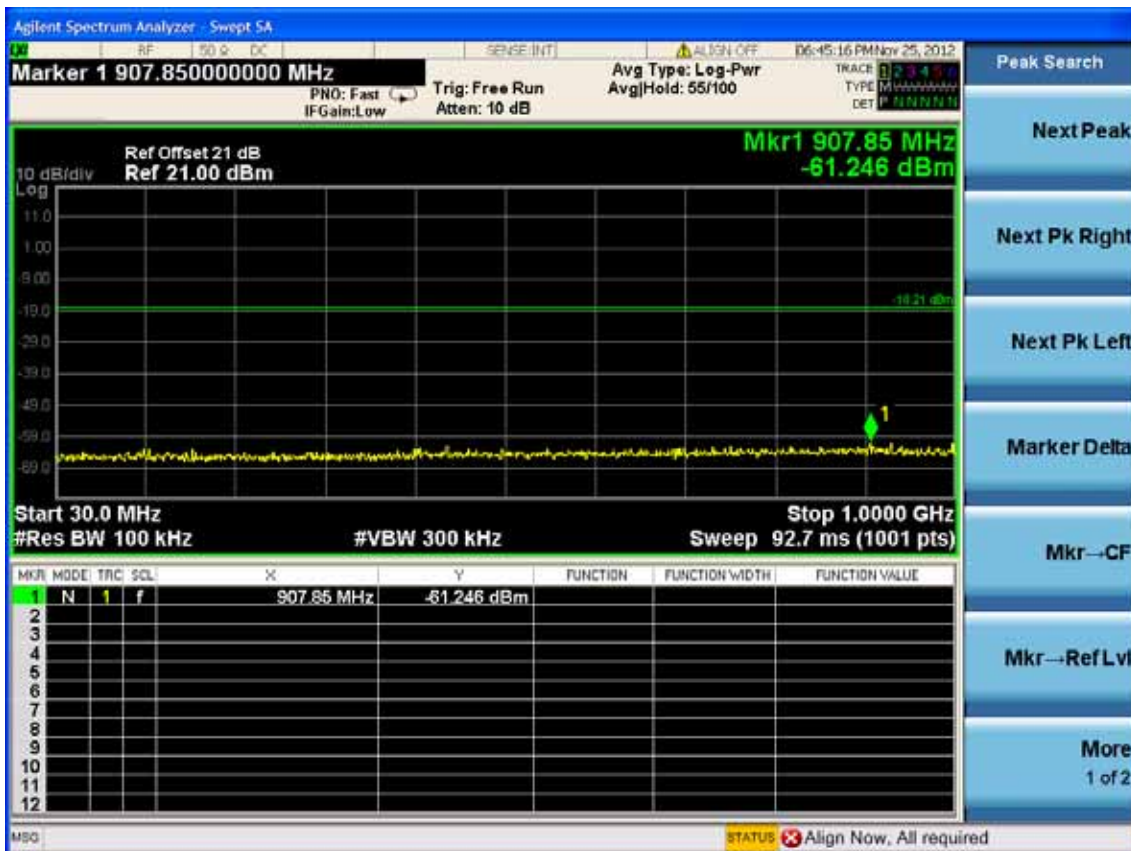
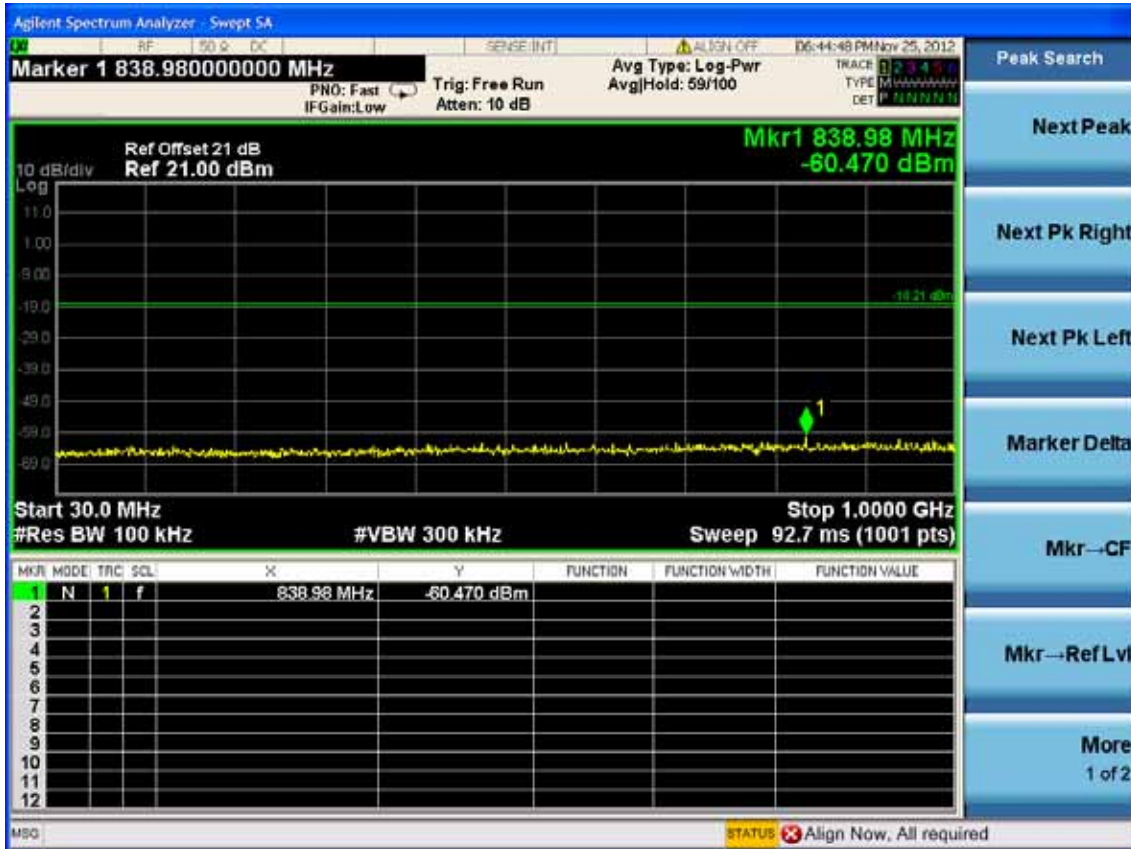
Test CH11: 2462MHz

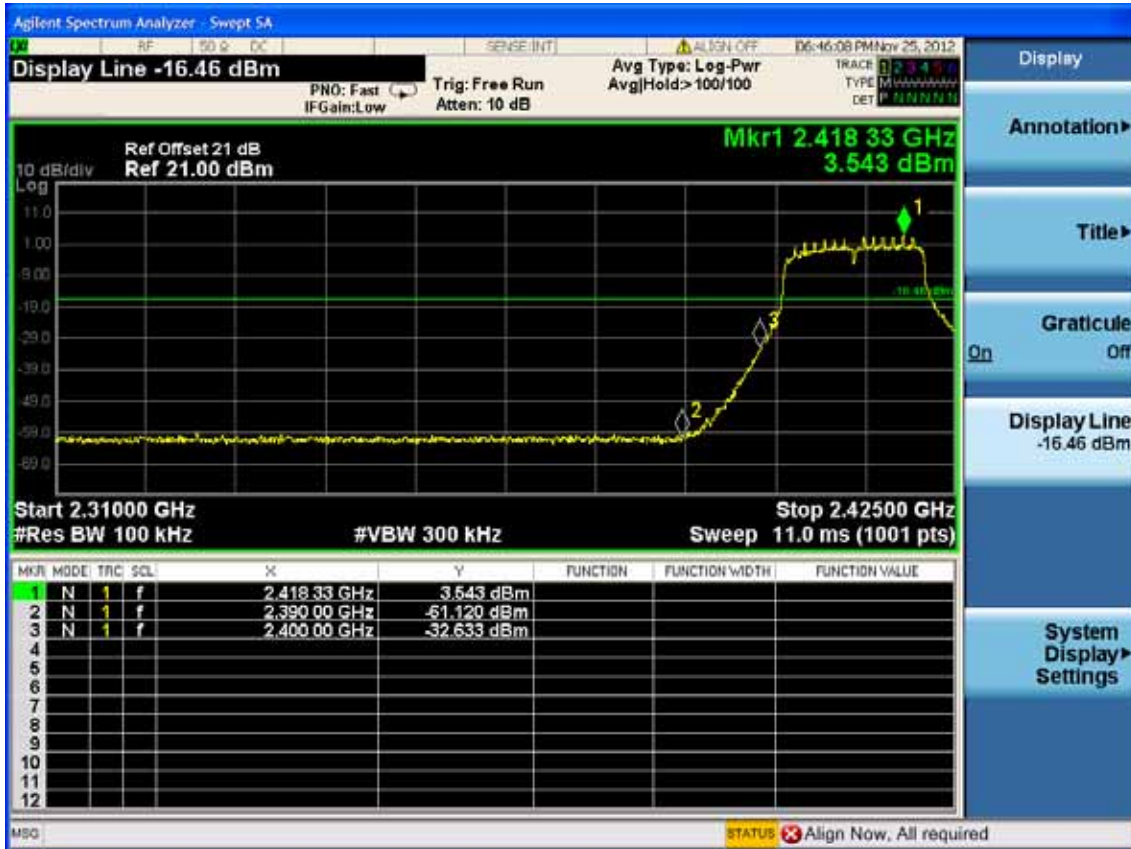




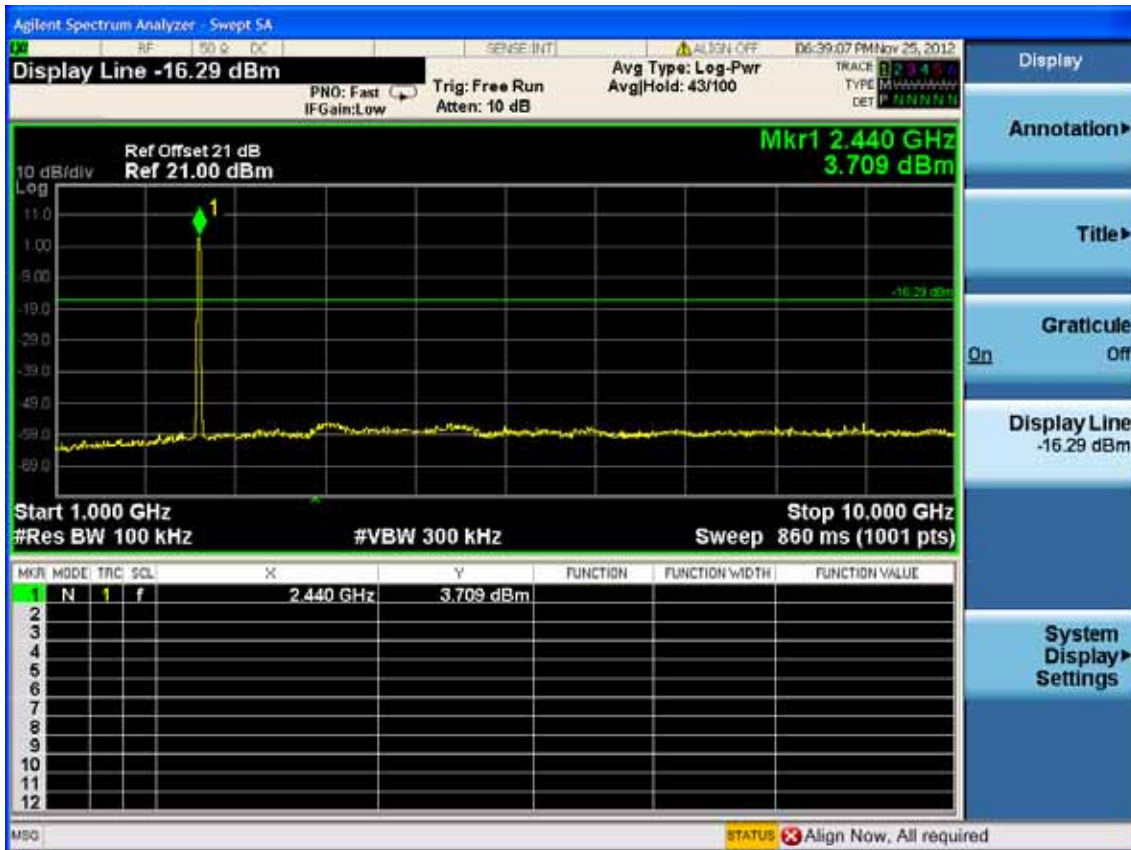
Test Mode: IEEE 802.11n HT20 TX
 Test CH1: 2412MHz

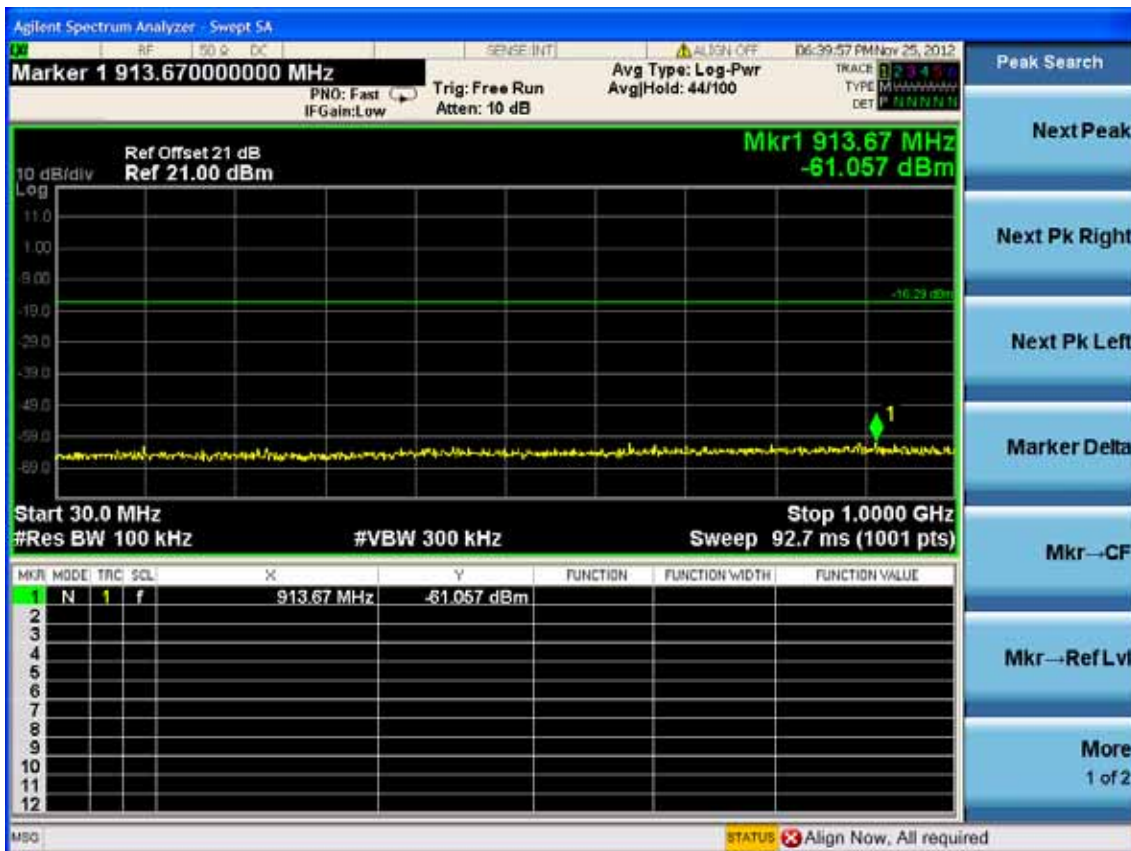
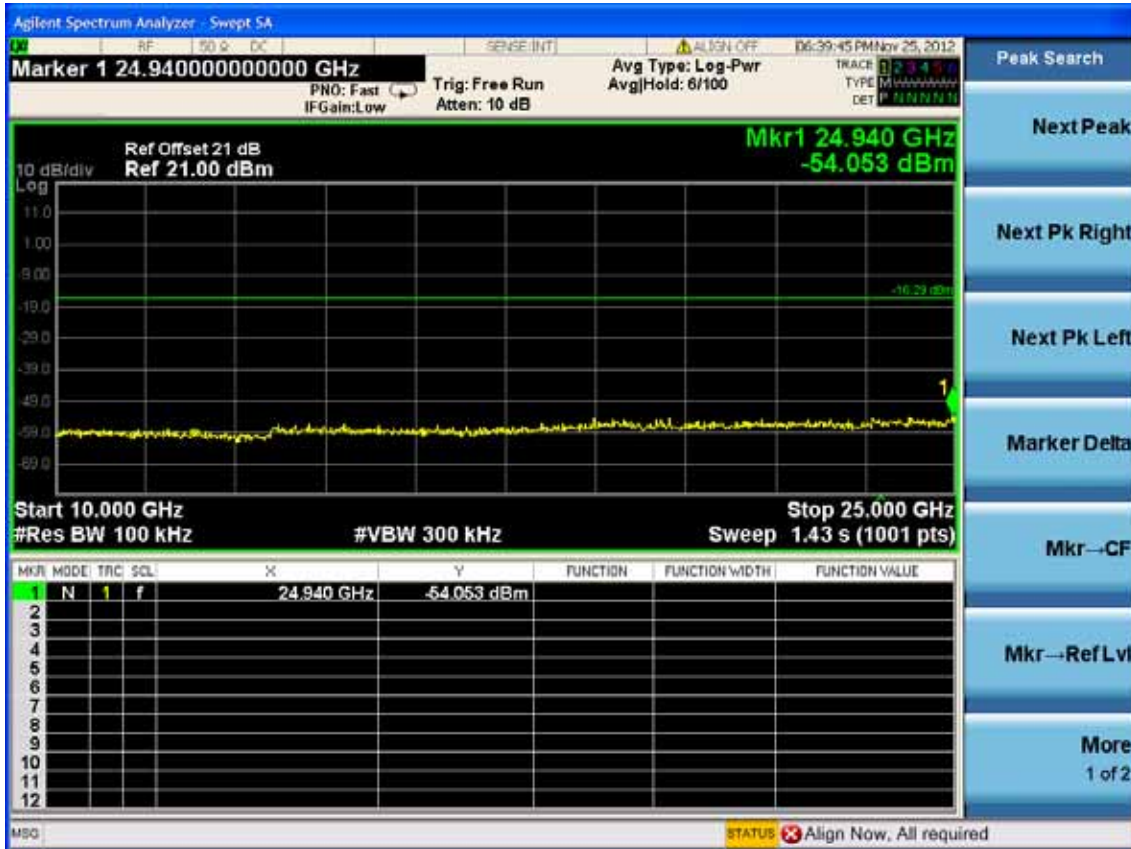




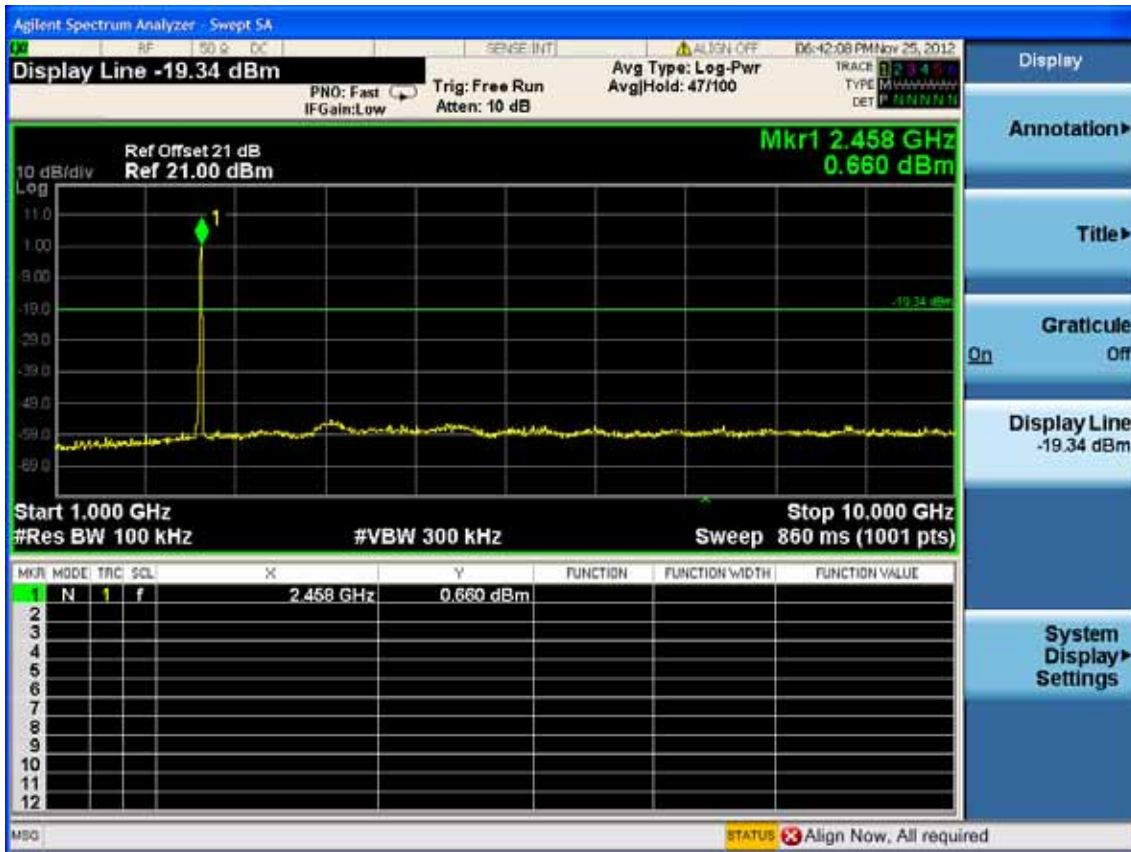


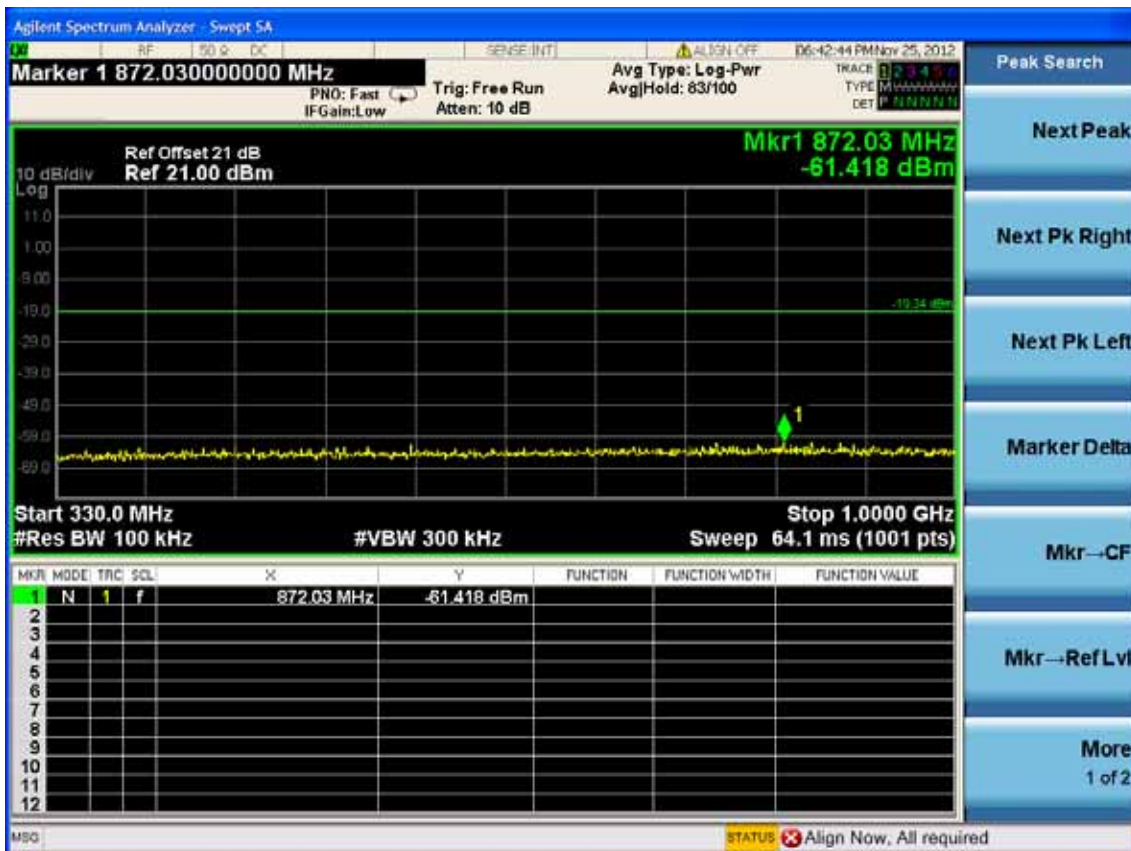
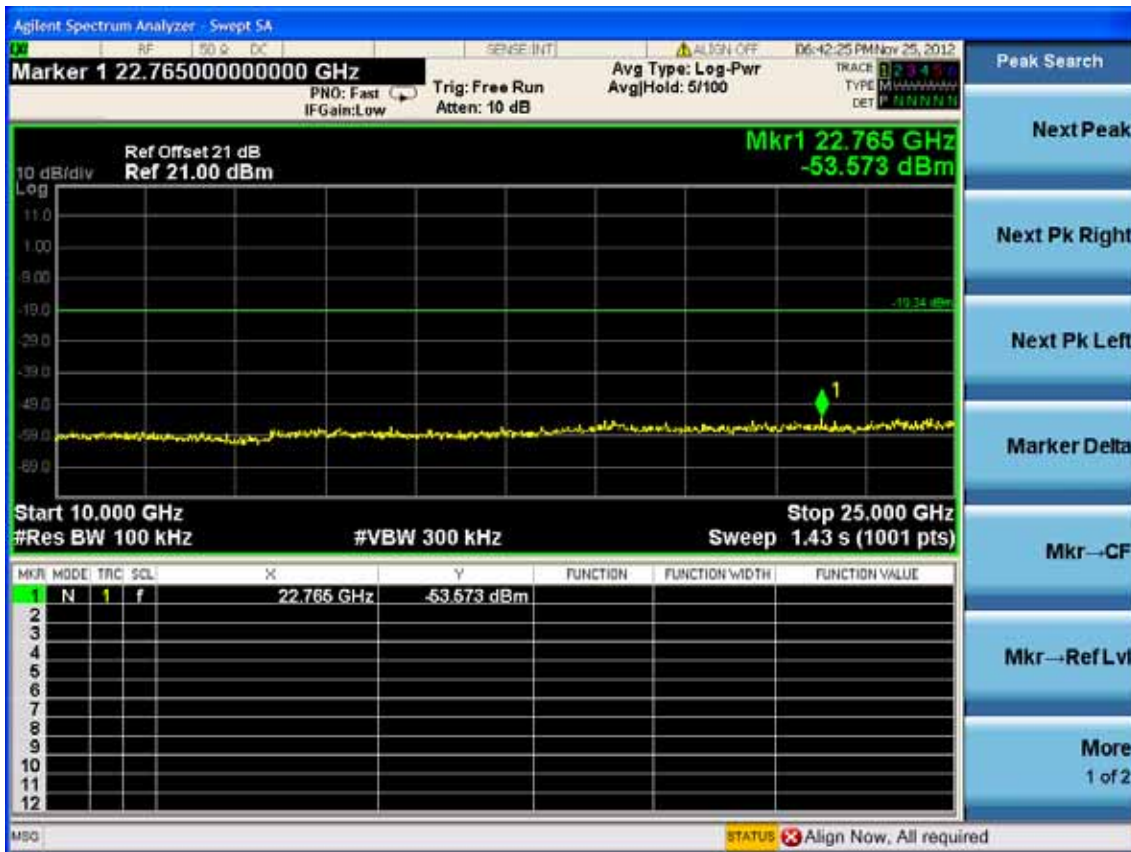
Test CH6: 2437MHz



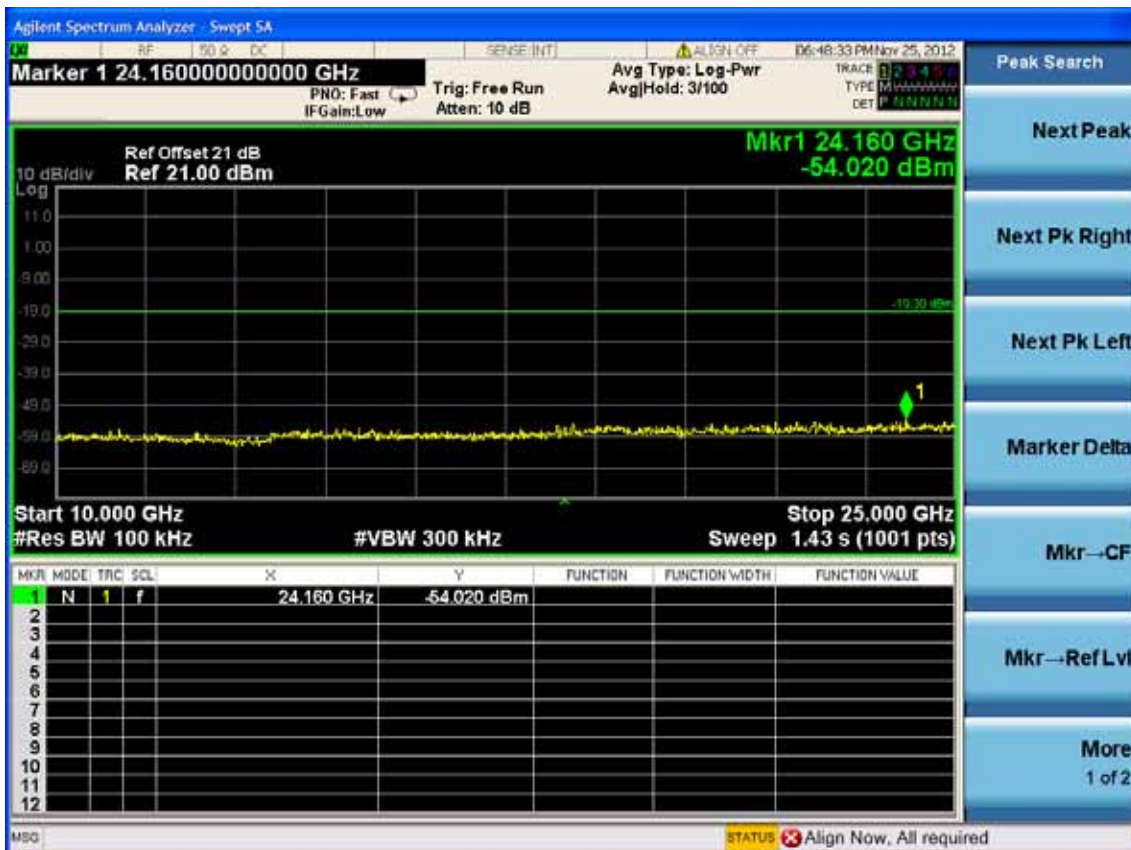
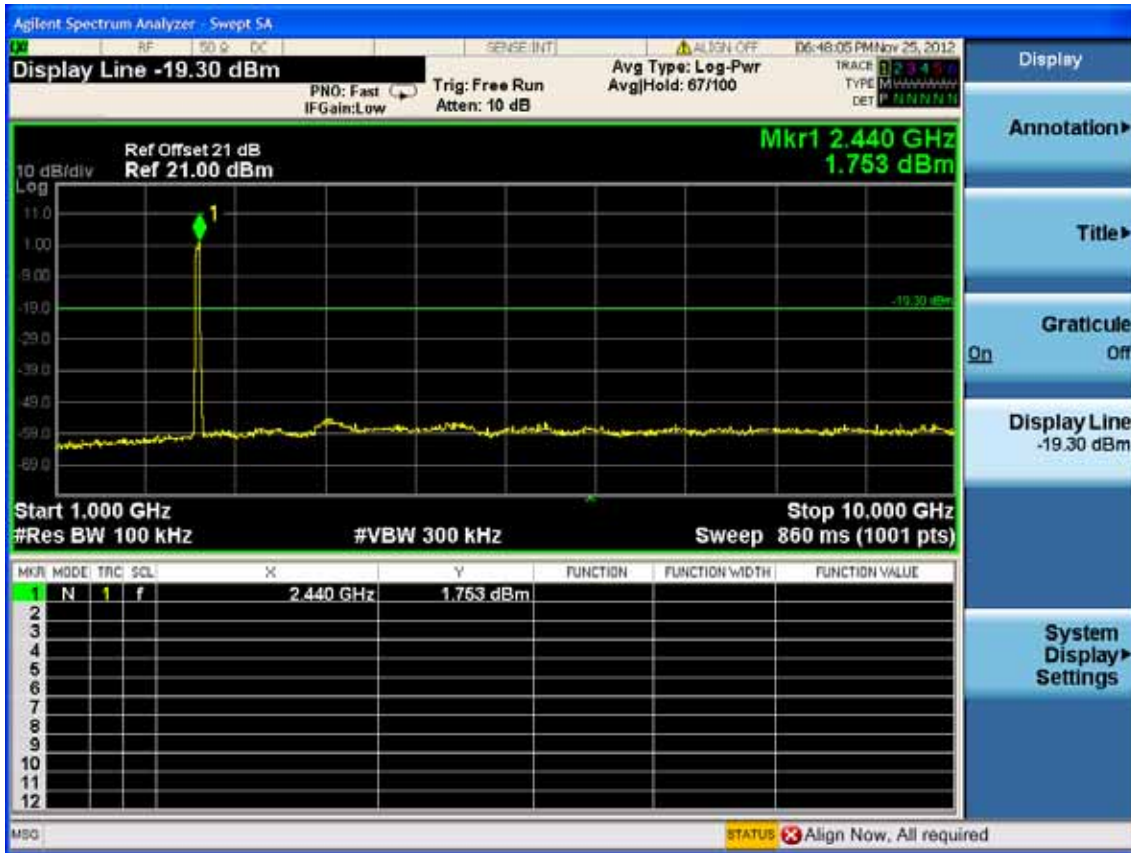


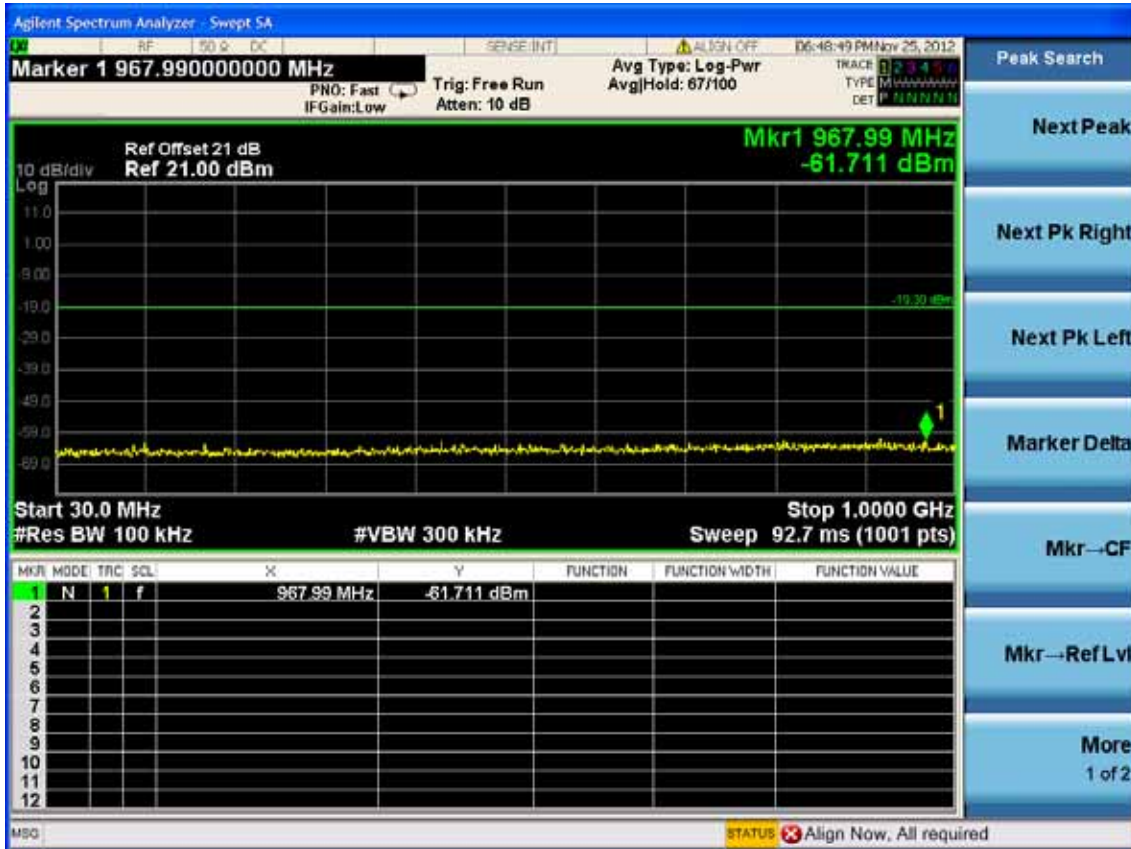
Test CH11: 2462MHz



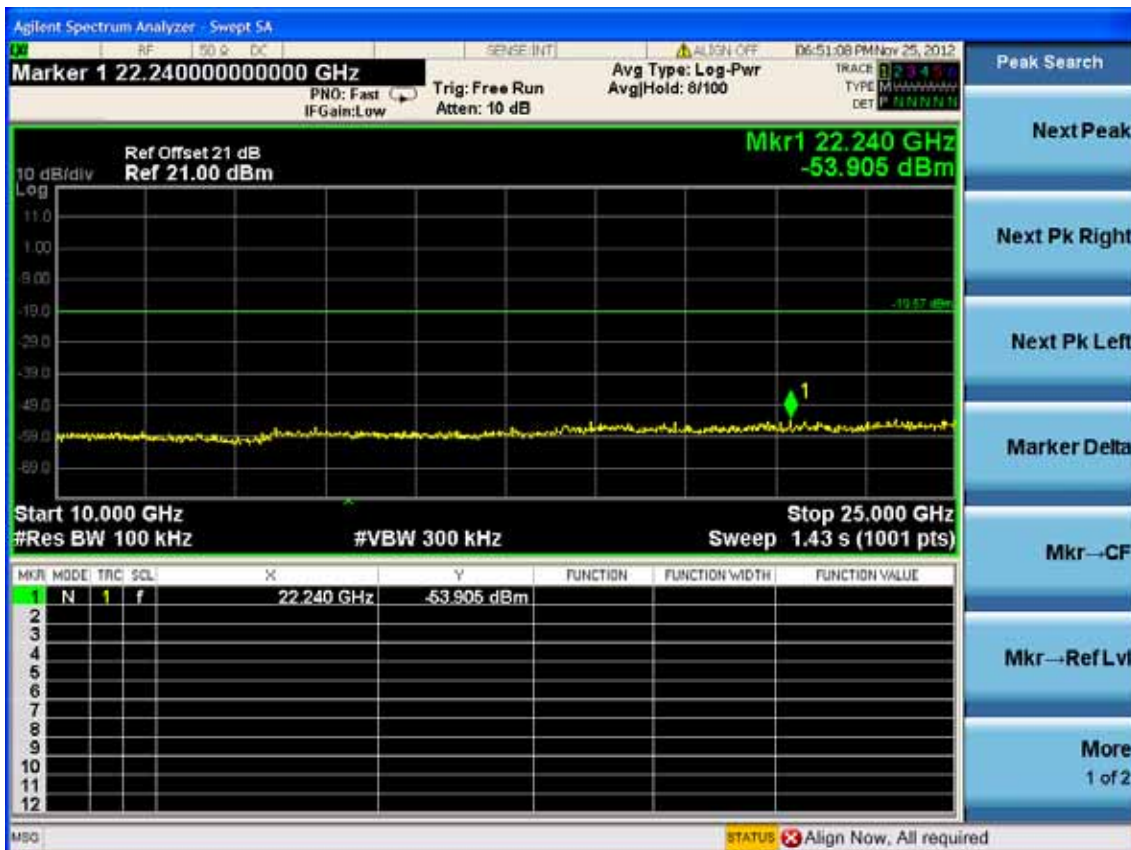
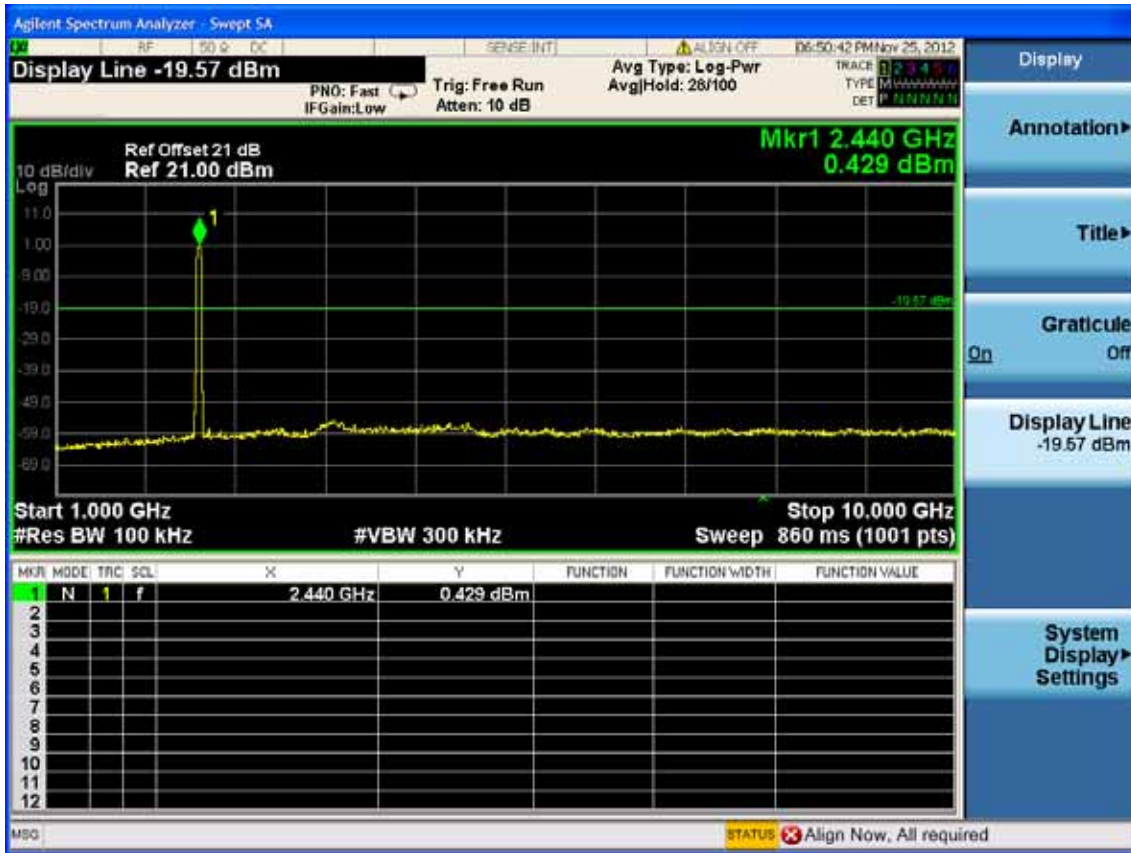


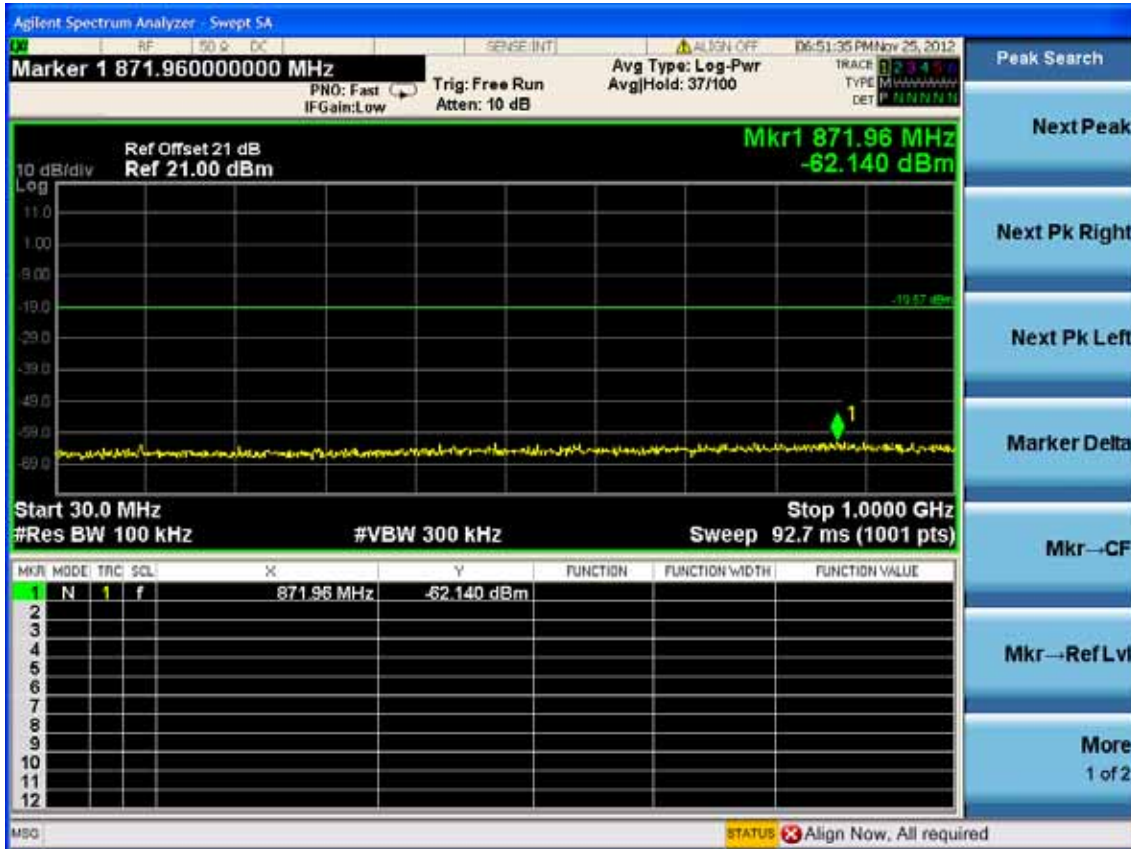
Test Mode: IEEE 802.11n HT40 TX
 Test CH1: 2422MHz



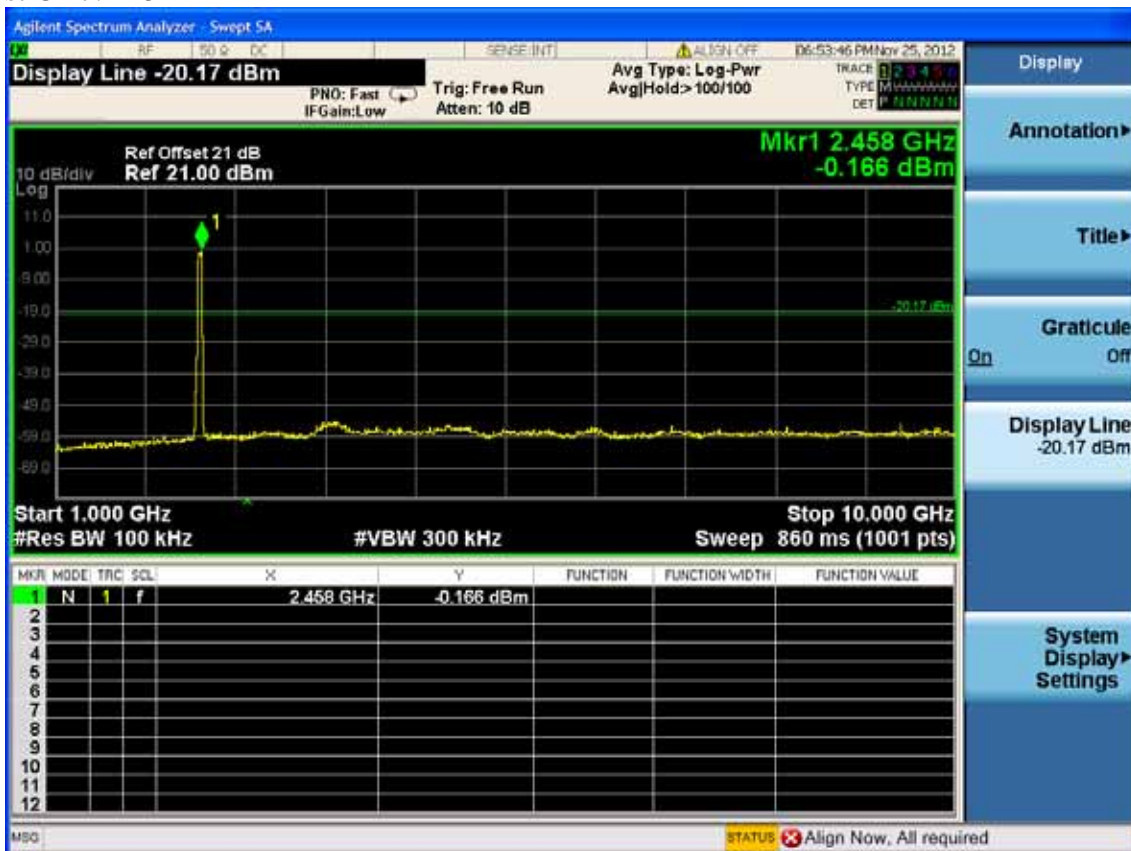


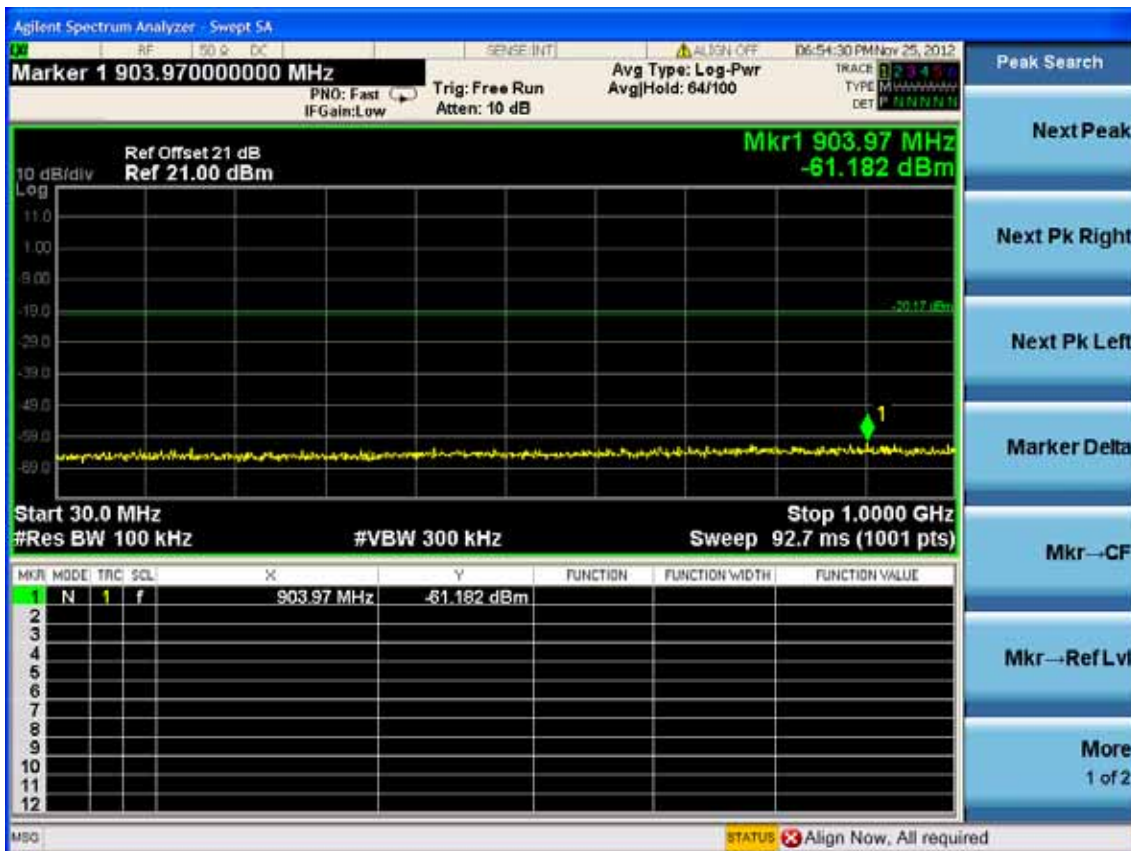
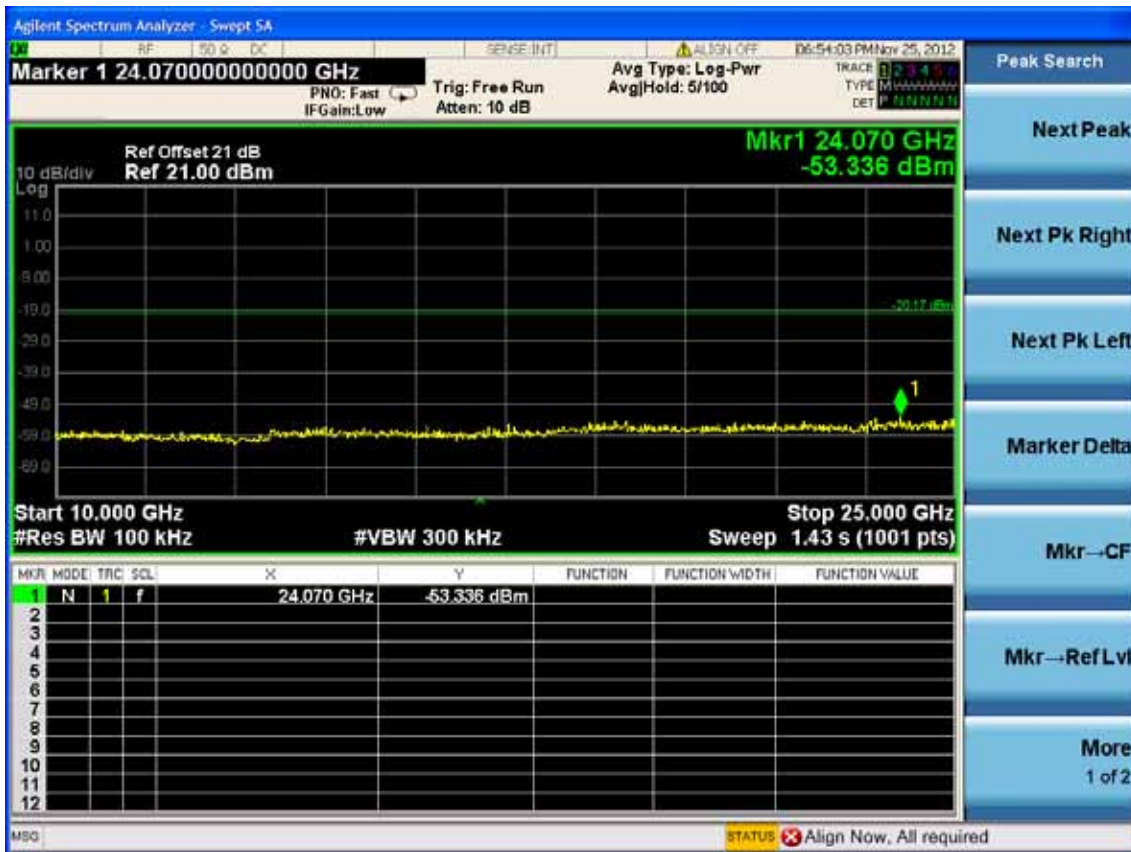
Test CH4: 2437MHz





Test CH7: 2452MHz







6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4407B	MY41440292	May.08, 12	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 12	1 Year
3.	Antenna	EMCO	3115	9510-4580	May.08, 12	1Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 12	1 Year

6.2. Limit

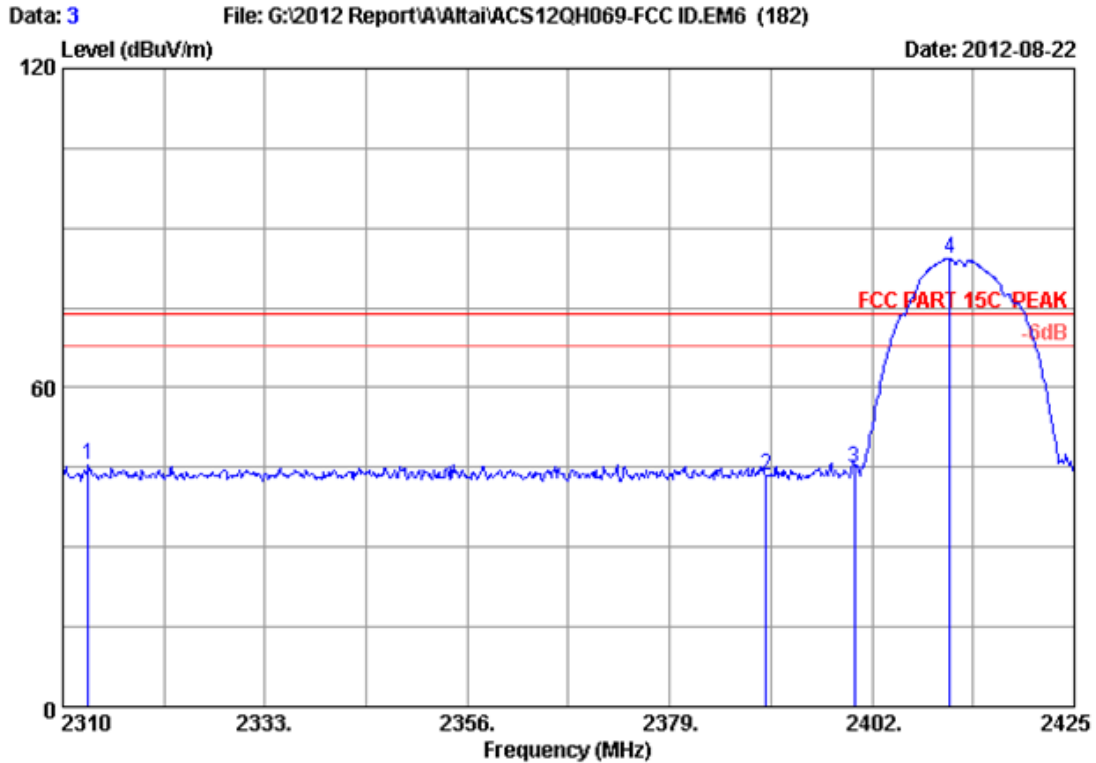
All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209. all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

6.3. Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.4. Test Results

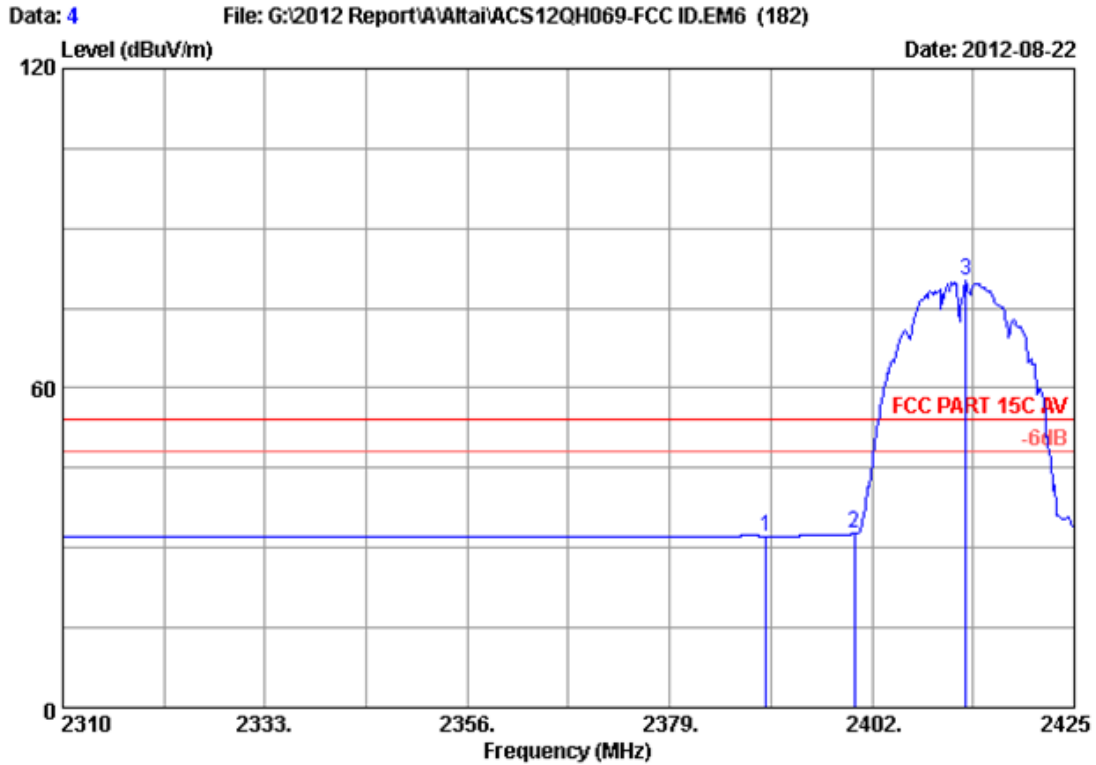
Pass (The testing data was attached in the next pages.)



Site no. : 3# Chamber Data no. : 3
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2312.875	27.83	5.89	34.43	46.15	45.44	74.00	28.56	Peak
2	2390.000	27.96	6.01	34.44	43.88	43.41	74.00	30.59	Peak
3	2400.000	27.96	6.01	34.44	45.22	44.75	74.00	29.25	Peak
4	2410.855	27.98	6.03	34.44	84.76	84.33	74.00	-10.33	Peak

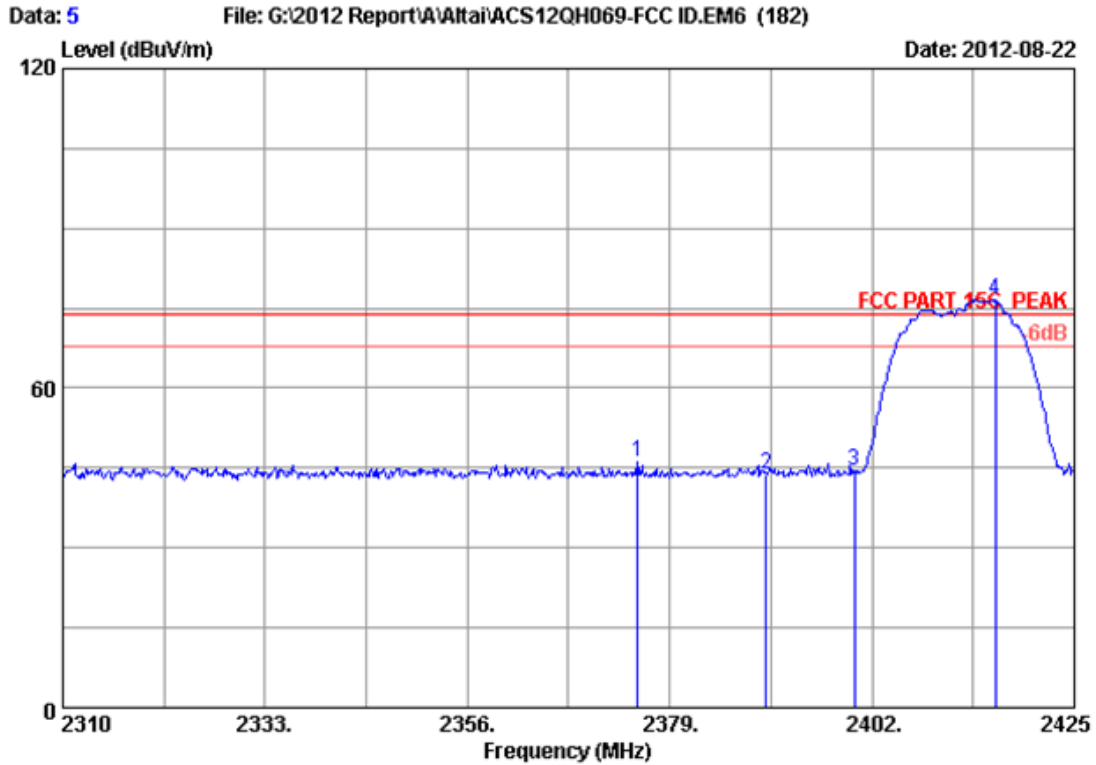
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3# Chamber Data no. : 4
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.69	32.22	54.00	21.78	Average
2	2400.000	27.96	6.01	34.44	33.13	32.66	54.00	21.34	Average
3	2412.695	27.98	6.03	34.44	80.53	80.10	54.00	-26.10	Average

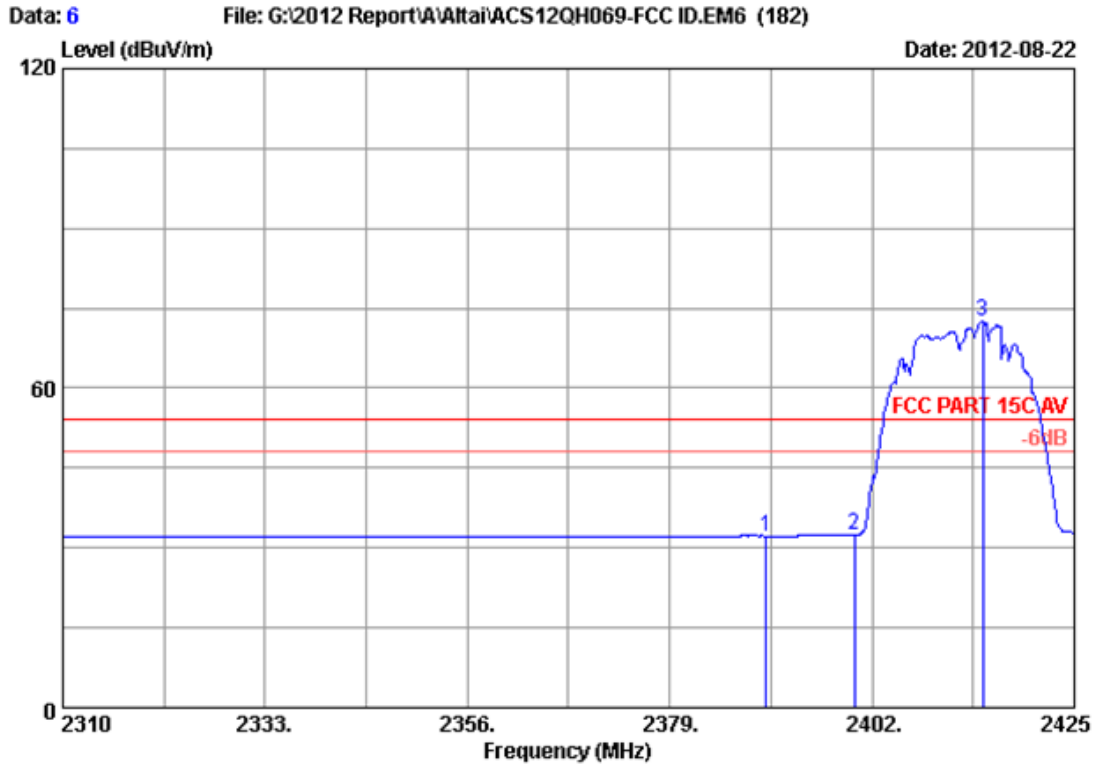
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3# Chamber Data no. : 5
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2375.320	27.93	5.98	34.44	46.56	46.03	74.00	27.97	Peak
2	2390.000	27.96	6.01	34.44	44.37	43.90	74.00	30.10	Peak
3	2400.000	27.96	6.01	34.44	44.97	44.50	74.00	29.50	Peak
4	2416.030	27.98	6.03	34.44	76.89	76.46	74.00	-2.46	Peak

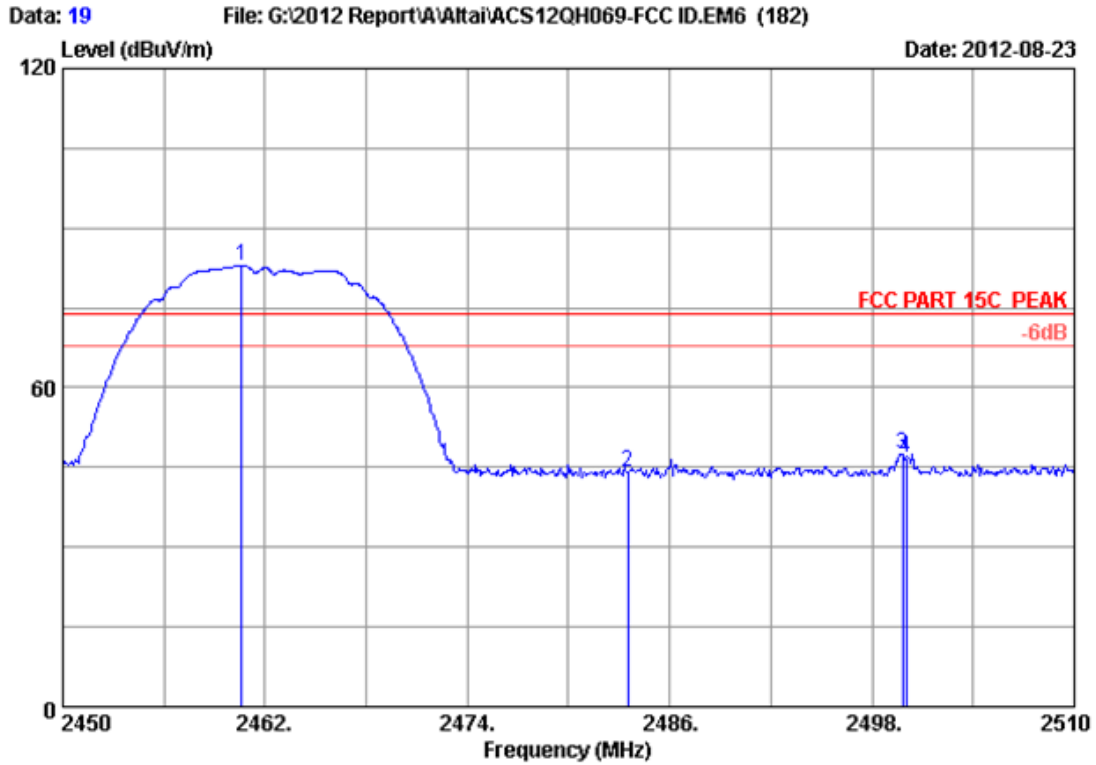
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3# Chamber Data no. : 6
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH1 2412MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2390.000	27.96	6.01	34.44	32.69	32.22	54.00	21.78	Average
2	2400.000	27.96	6.01	34.44	32.96	32.49	54.00	21.51	Average
3	2414.650	27.98	6.03	34.44	73.06	72.63	54.00	-18.63	Average

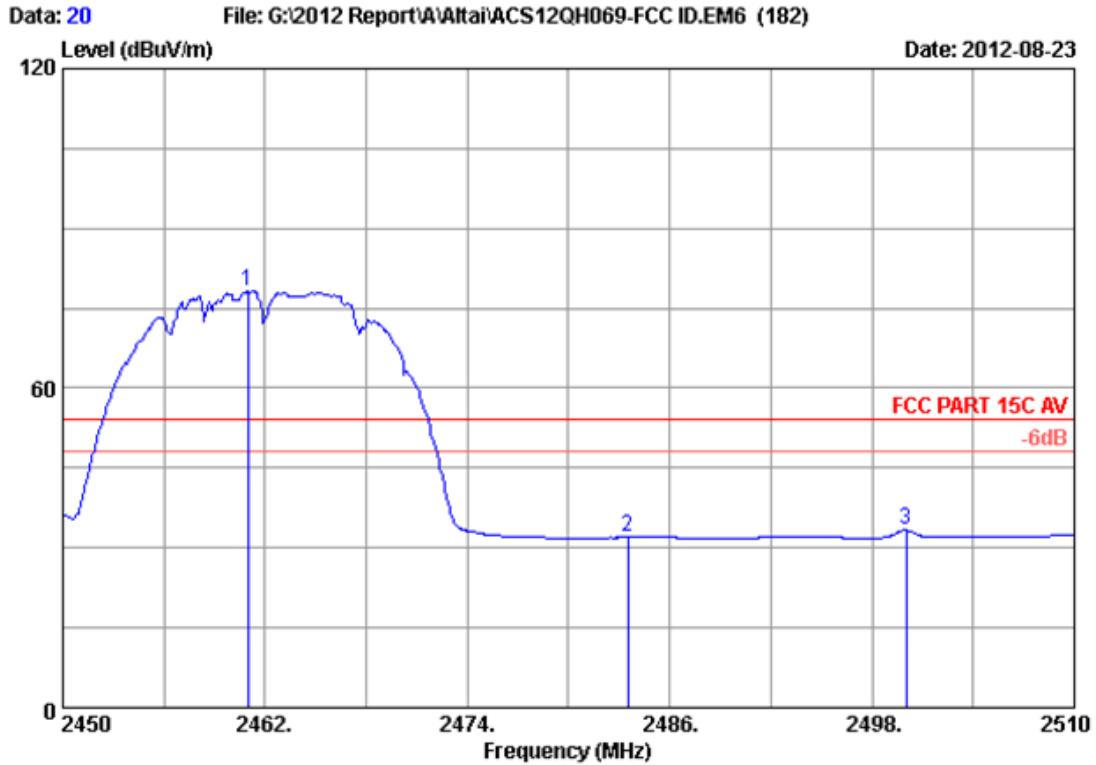
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3# Chamber Data no. : 19
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2460.620	28.05	6.12	34.44	83.18	82.91	74.00	-8.91	Peak
2	2483.500	28.08	6.15	34.45	44.28	44.06	74.00	29.94	Peak
3	2499.800	28.10	6.18	34.45	47.66	47.49	74.00	26.51	Peak
4	2500.000	28.10	6.18	34.45	47.06	46.89	74.00	27.11	Peak

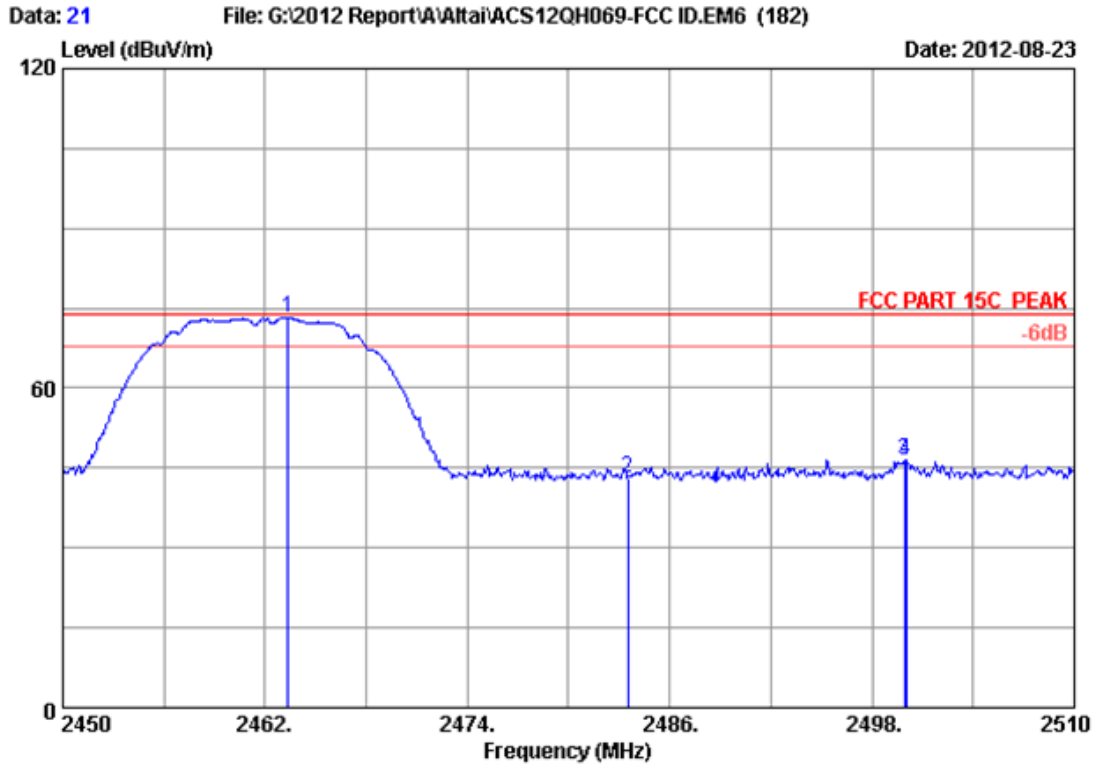
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3# Chamber Data no. : 20
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2460.980	28.05	6.12	34.44	78.50	78.23	54.00	-24.23	Average
2	2483.500	28.08	6.15	34.45	32.25	32.03	54.00	21.97	Average
3	2500.000	28.10	6.18	34.45	33.51	33.34	54.00	20.66	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3# Chamber Data no. : 21
 Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Leo-Li
 EUT : A8-Ein Super WiFi Base Station
 Power Rating : DC 56V From Adapter Input AC 120V/60Hz
 Test Mode : IEEE802.11b CH11 2462MHz Tx
 M/N : WA8011N

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dBuV)	Reading (dBuV/m)	Emission Level (dBuV/m)	Limits (dB)	Margin (dB)	Remark
1	2463.380	28.05	6.12	34.45	73.60	73.32	74.00	0.68	Peak
2	2483.500	28.08	6.15	34.45	43.34	43.12	74.00	30.88	Peak
3	2499.920	28.10	6.18	34.45	46.76	46.59	74.00	27.41	Peak
4	2500.000	28.10	6.18	34.45	46.64	46.47	74.00	27.53	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.