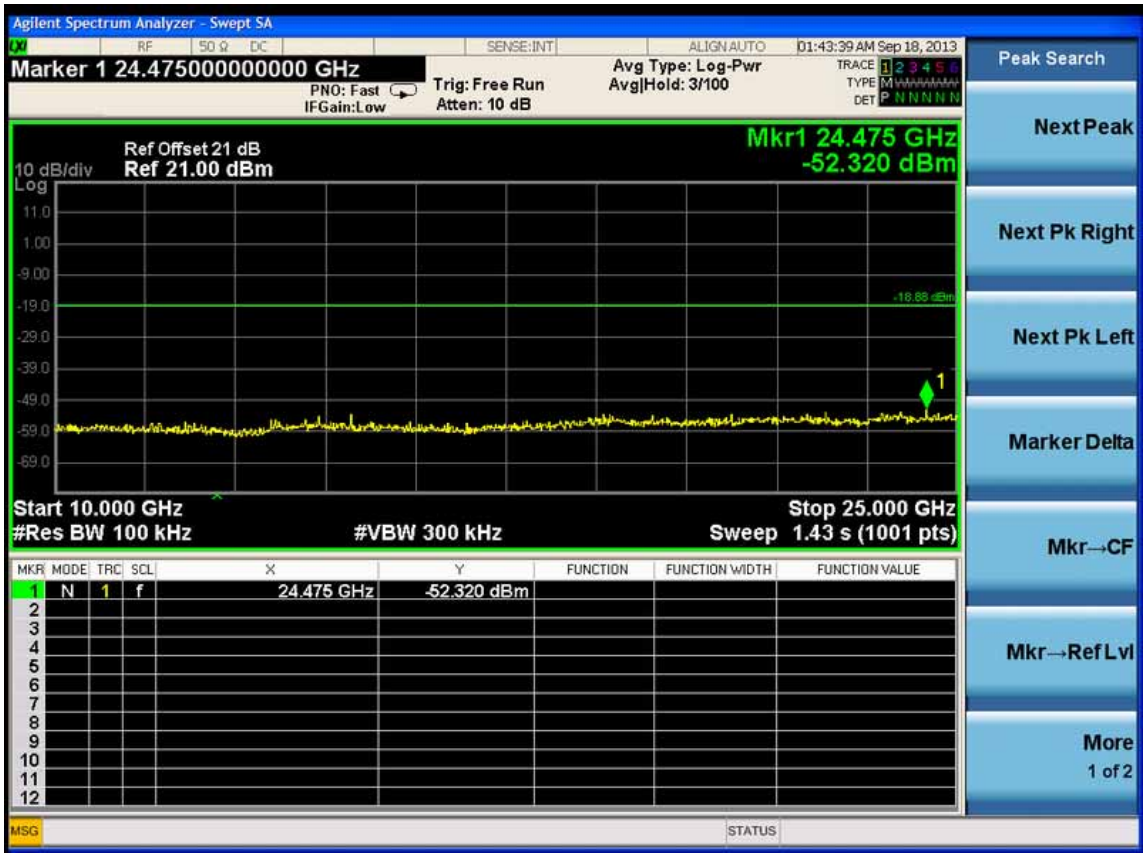
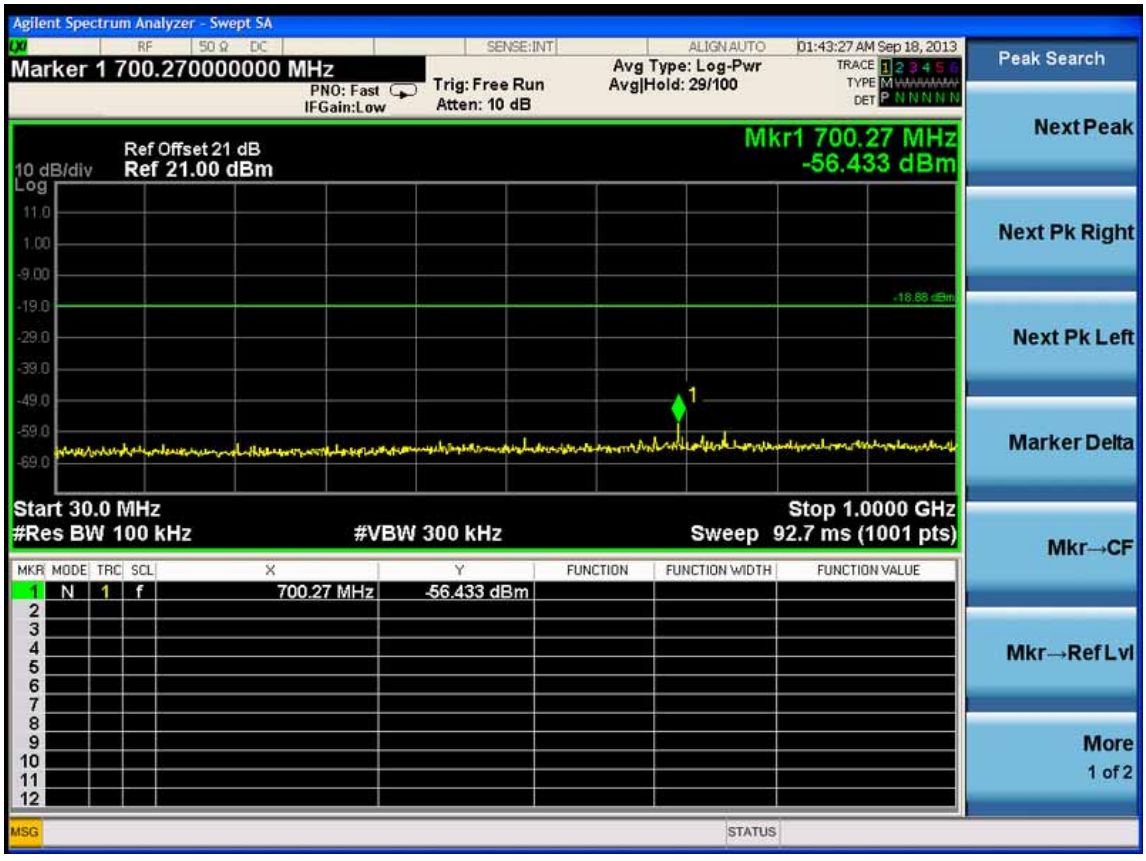
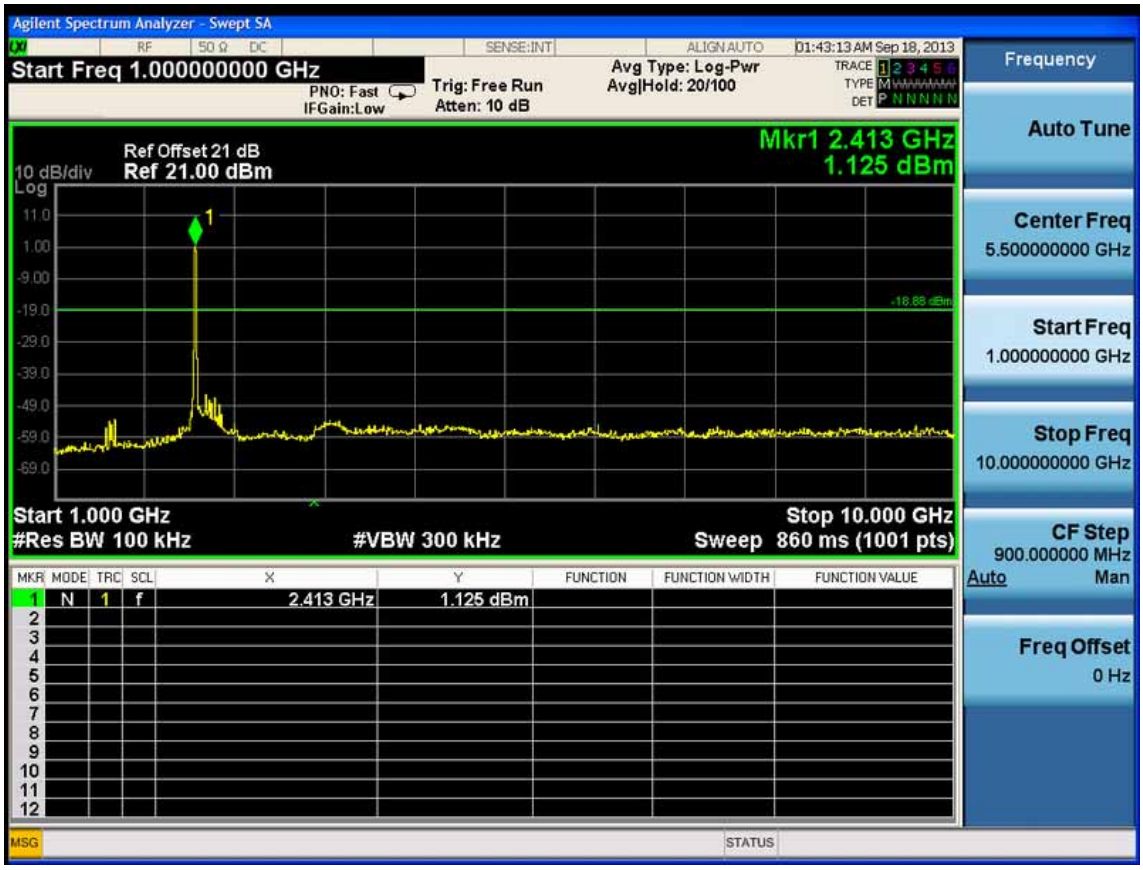
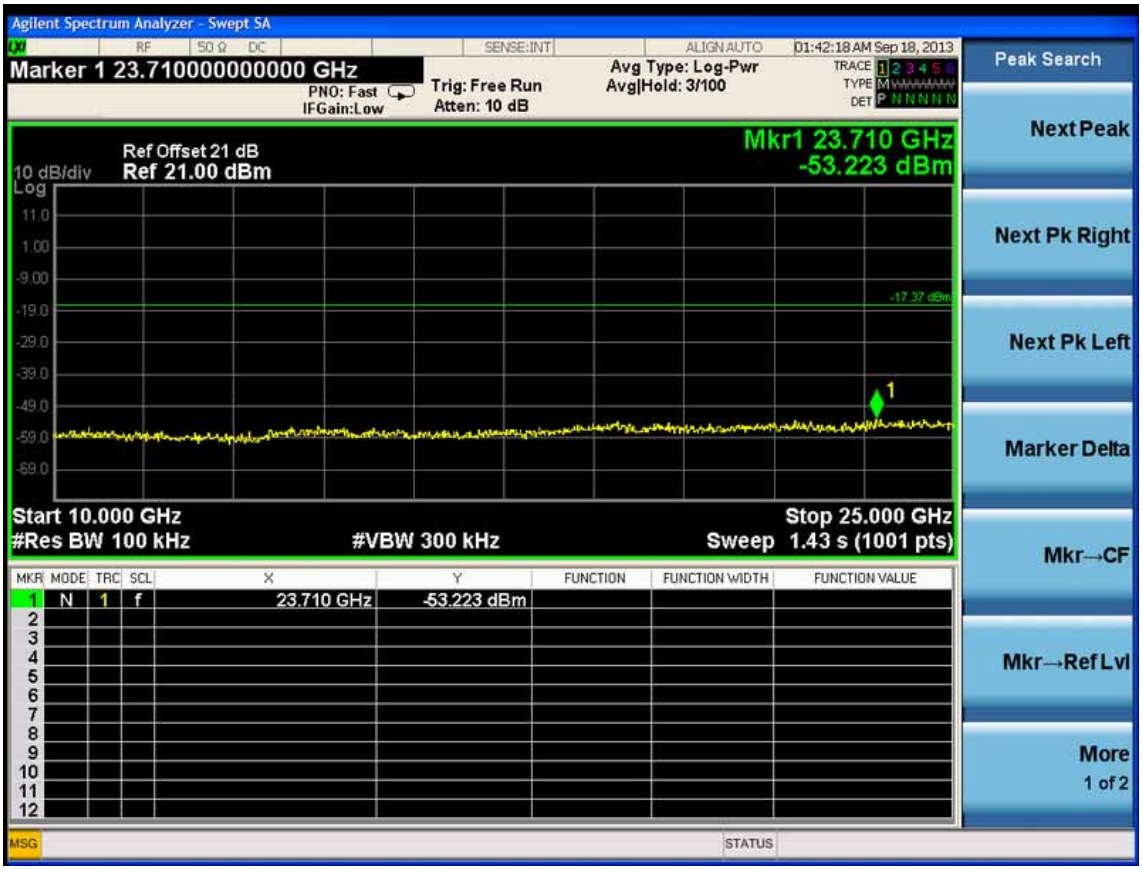
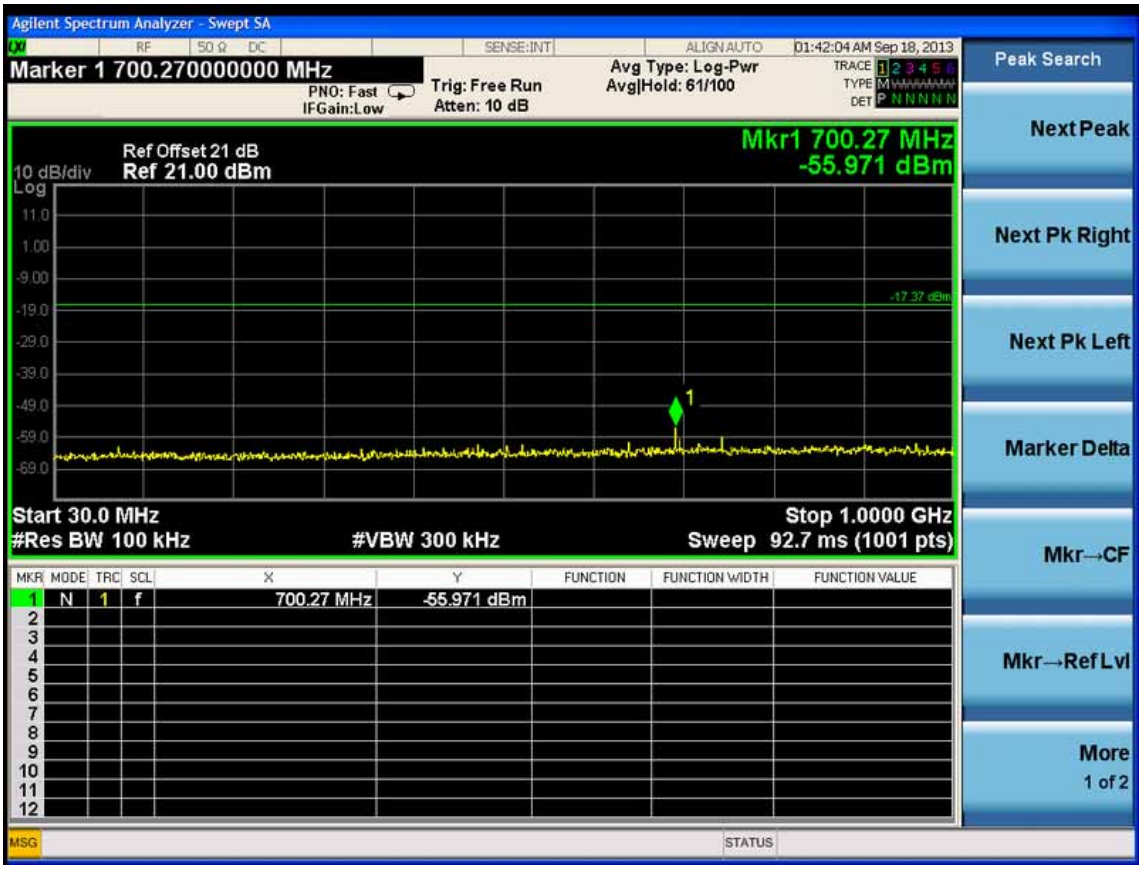

Agilent Spectrum Analyzer - Swept SA
Marker 1 24.475000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 3/100
01:43:39 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 24.475 GHz
-52.320 dBm
-18.88 dBm
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 1.43 s (1001 pts)
1 N 1 f 24.475 GHz -52.320 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

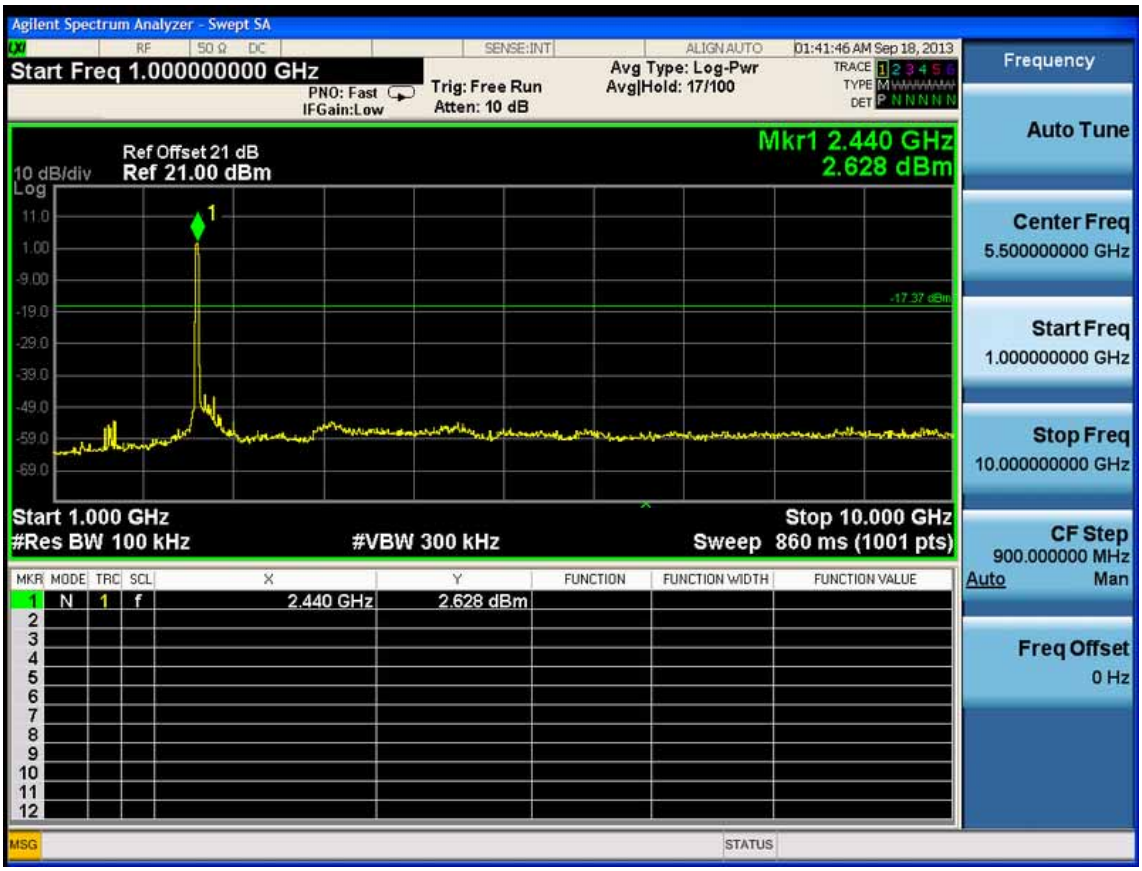

Agilent Spectrum Analyzer - Swept SA
Marker 1 700.270000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 29/100
01:43:27 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 700.27 MHz
-56.433 dBm
-18.88 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 92.7 ms (1001 pts)
1 N 1 f 700.27 MHz -56.433 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS



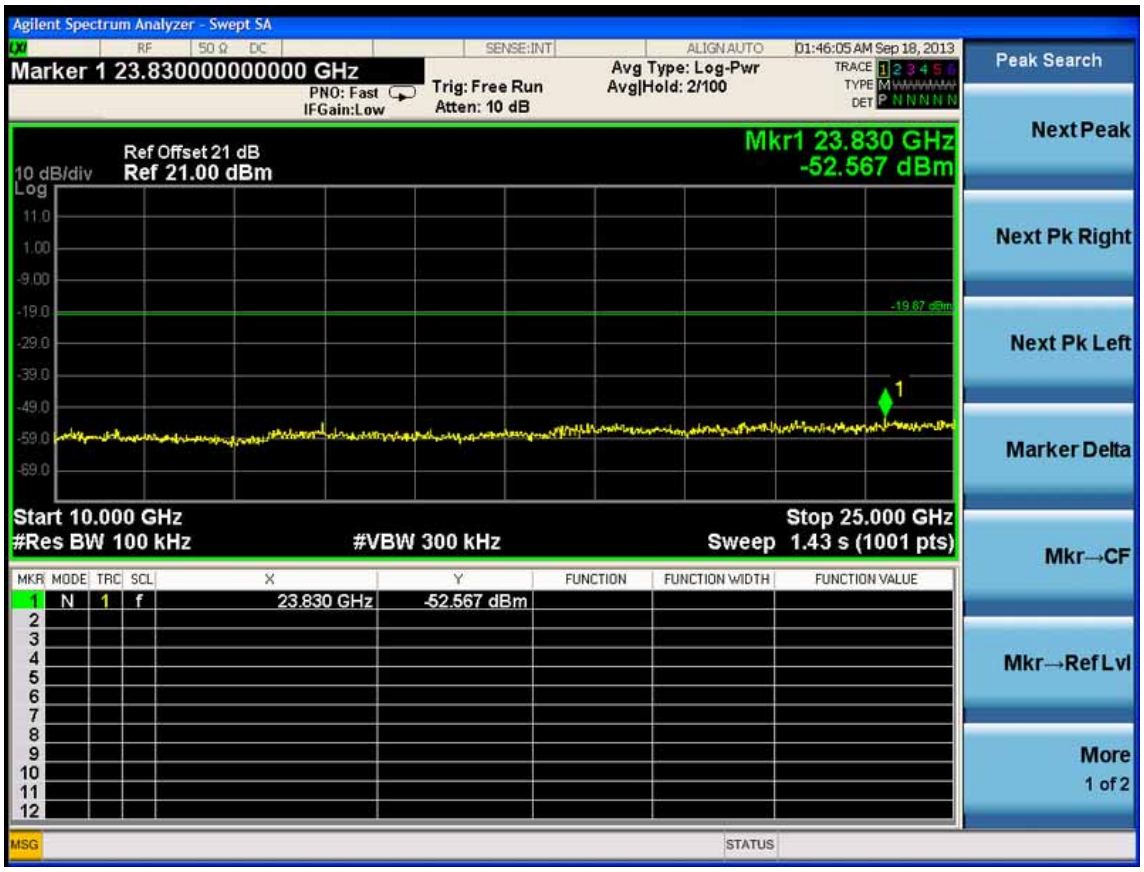
Test CH6: 2437MHz

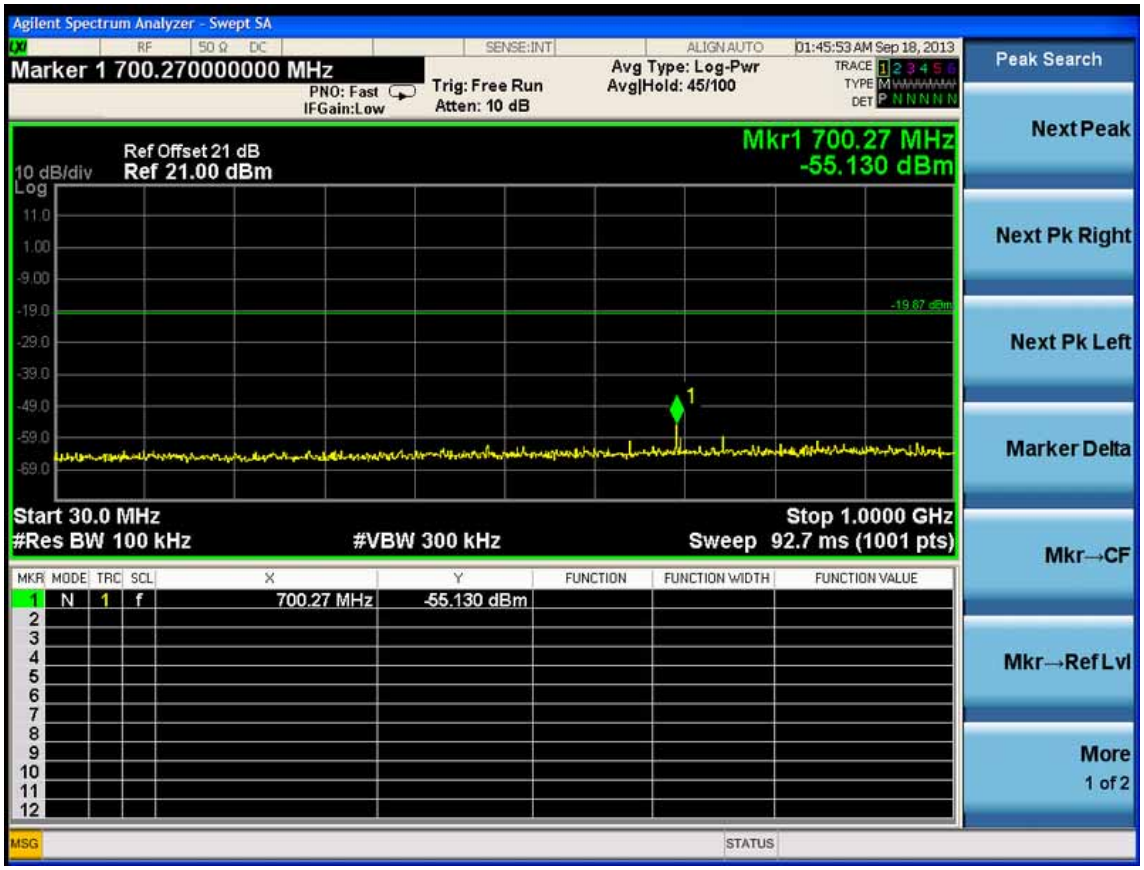


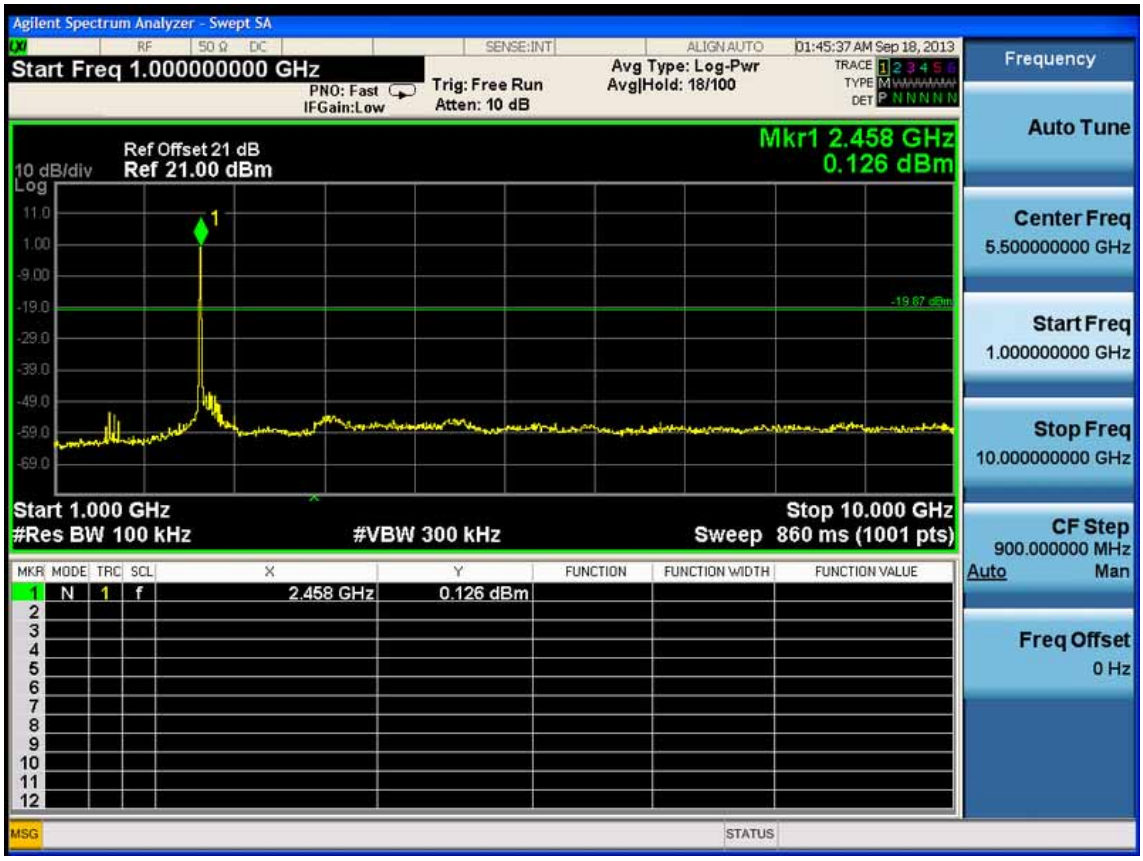

Agilent Spectrum Analyzer - Swept SA
Marker 1 700.270000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 61/100
01:42:04 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Mkr1 700.27 MHz
-55.971 dBm
-17.37 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 92.7 ms (1001 pts)
1 N 1 f 700.27 MHz -55.971 dBm
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
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 17/100
01:41:46 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Mkr1 2.440 GHz
2.628 dBm
-17.37 dBm
Start 1.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 860 ms (1001 pts)
1 N 1 f 2.440 GHz 2.628 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz

Test CH11: 2462MHz

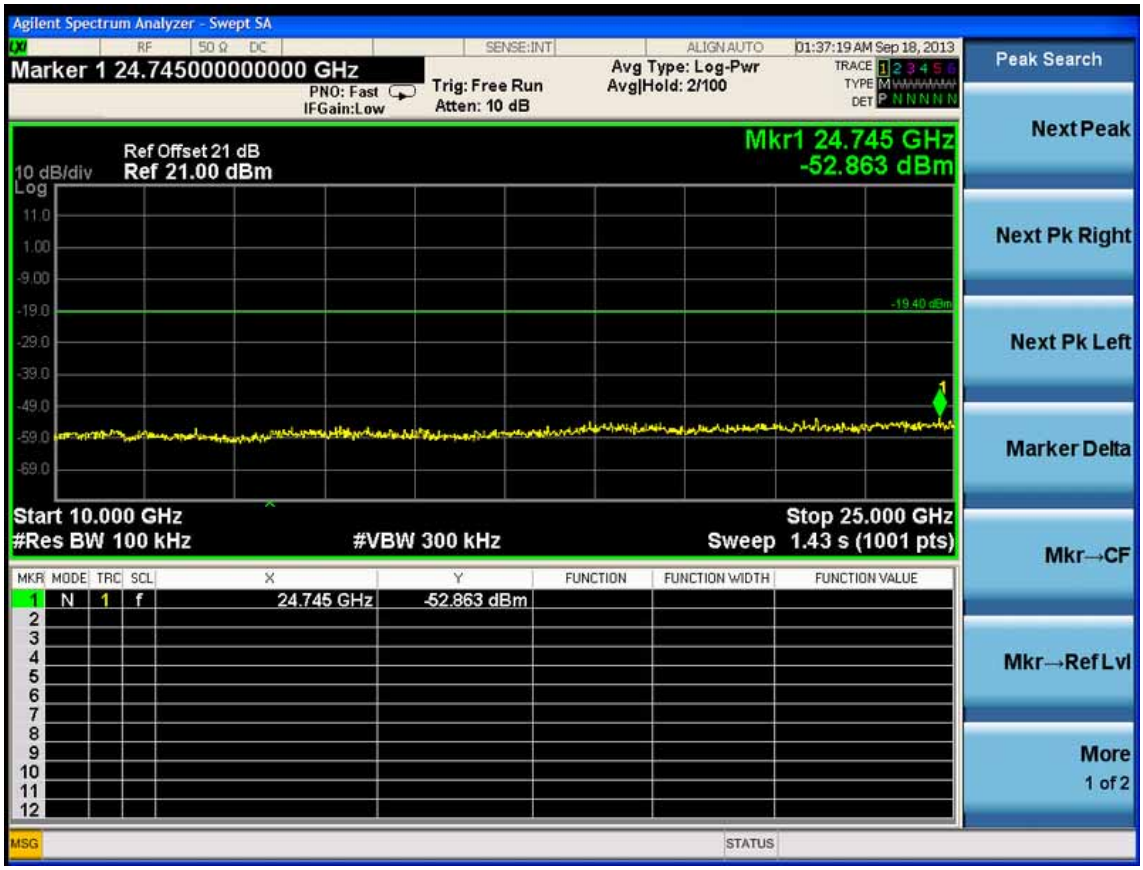


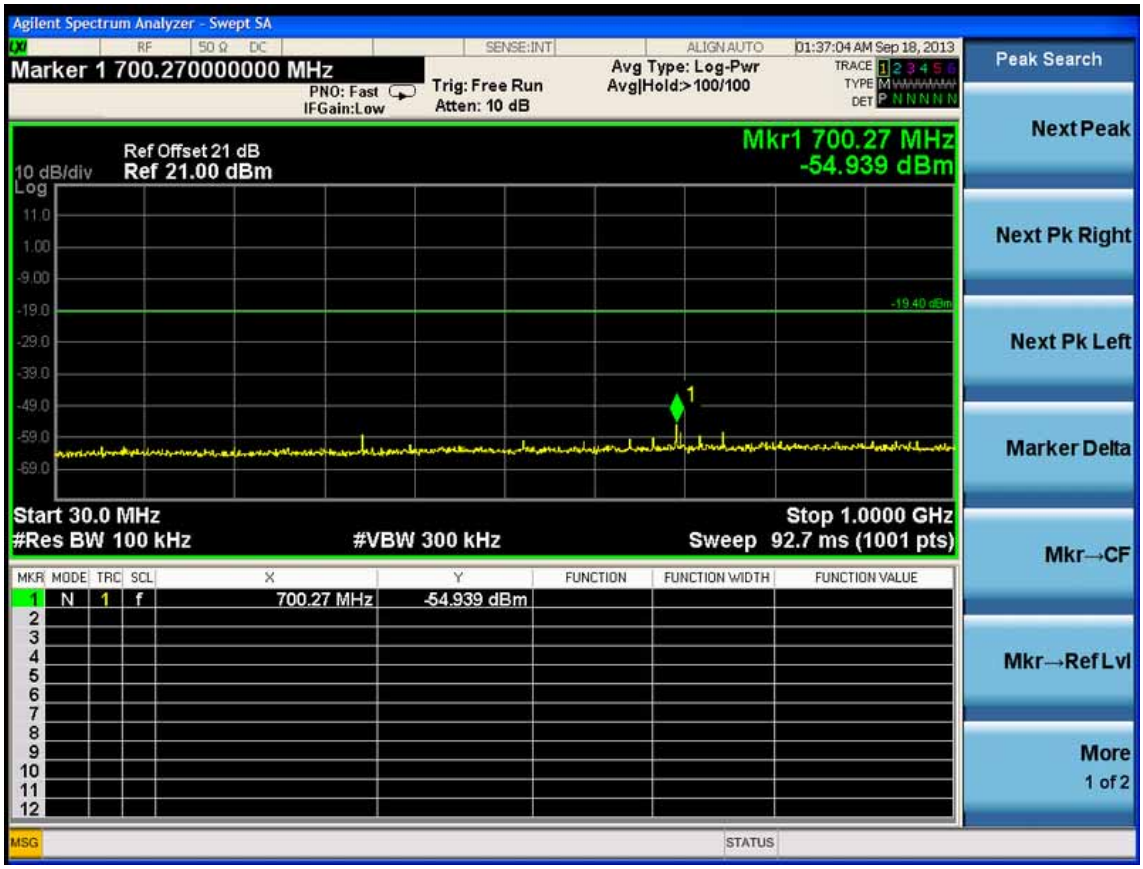


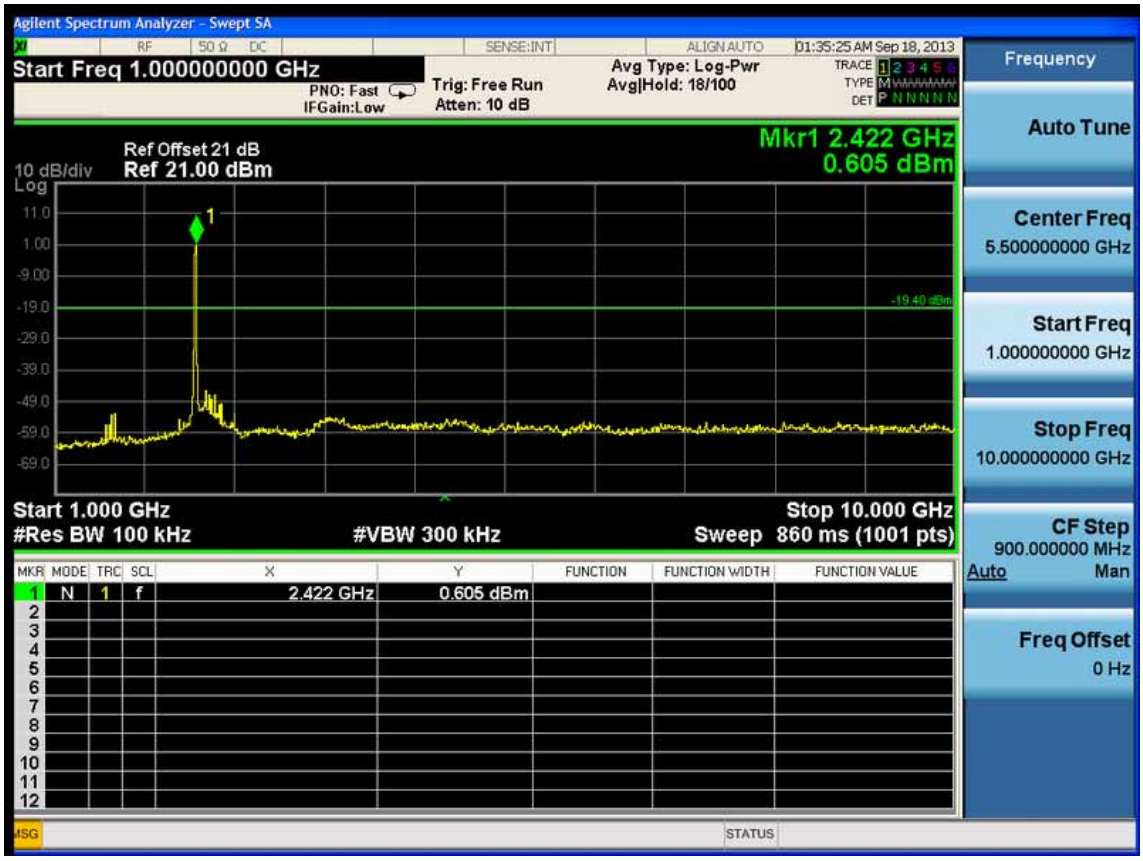

Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 18/100
01:45:37 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 2.458 GHz
0.126 dBm
-19.87 dBm
Start 1.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 860 ms (1001 pts)
1 N 1 f 2.458 GHz 0.126 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.450000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
01:45:05 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 2.468 30 GHz
1.203 dBm
-18.80 dBm
Start 2.45000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.51000 GHz
Sweep 5.80 ms (1001 pts)
1 N 1 f 2.468 30 GHz 1.203 dBm
2 N 1 f 2.483 50 GHz -48.535 dBm
3 N 1 f 2.500 00 GHz -46.149 dBm
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.450000000 GHz
Stop Freq
2.510000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

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

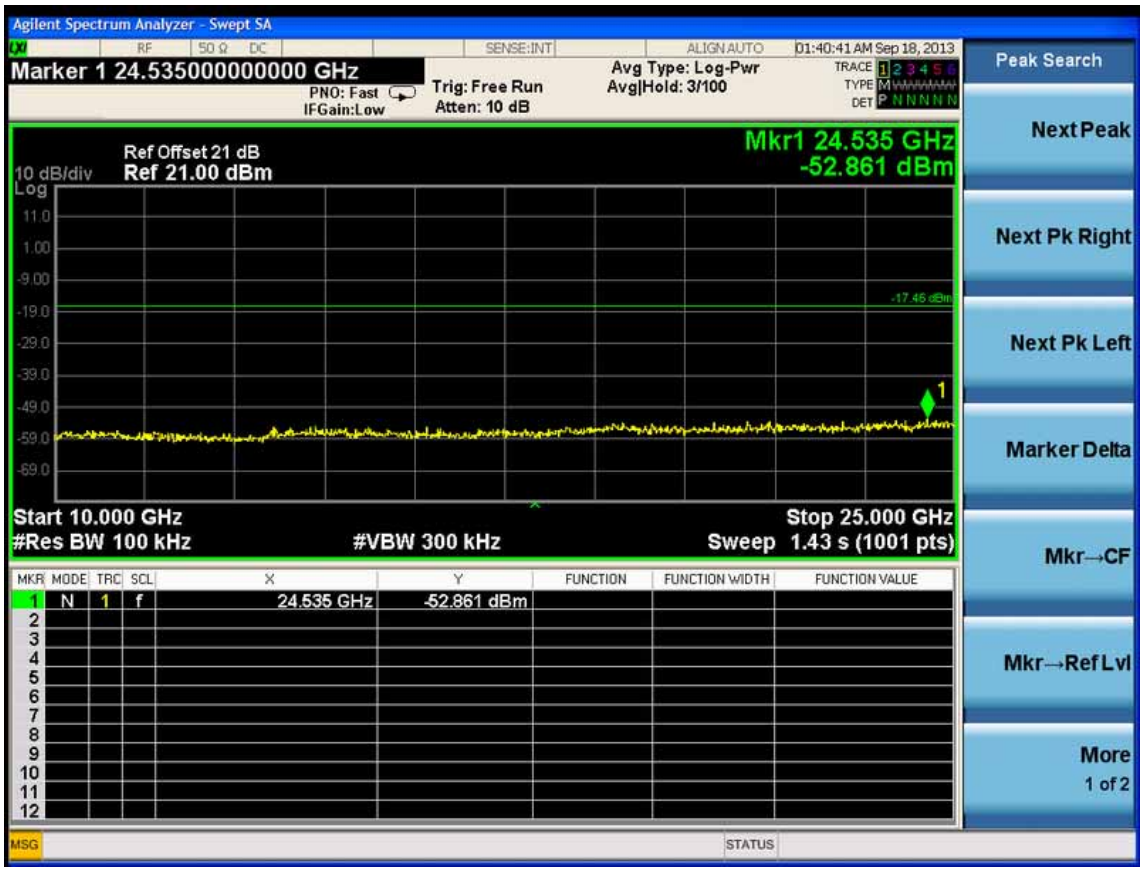


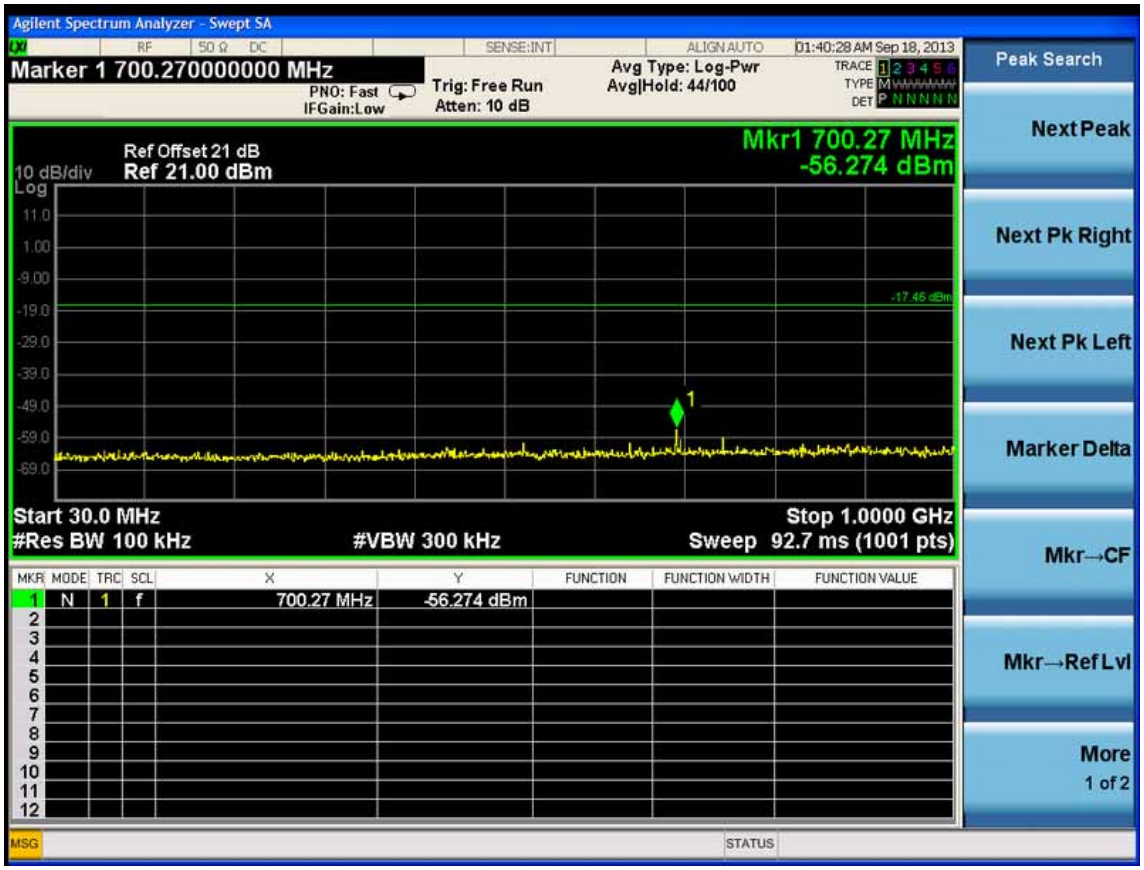


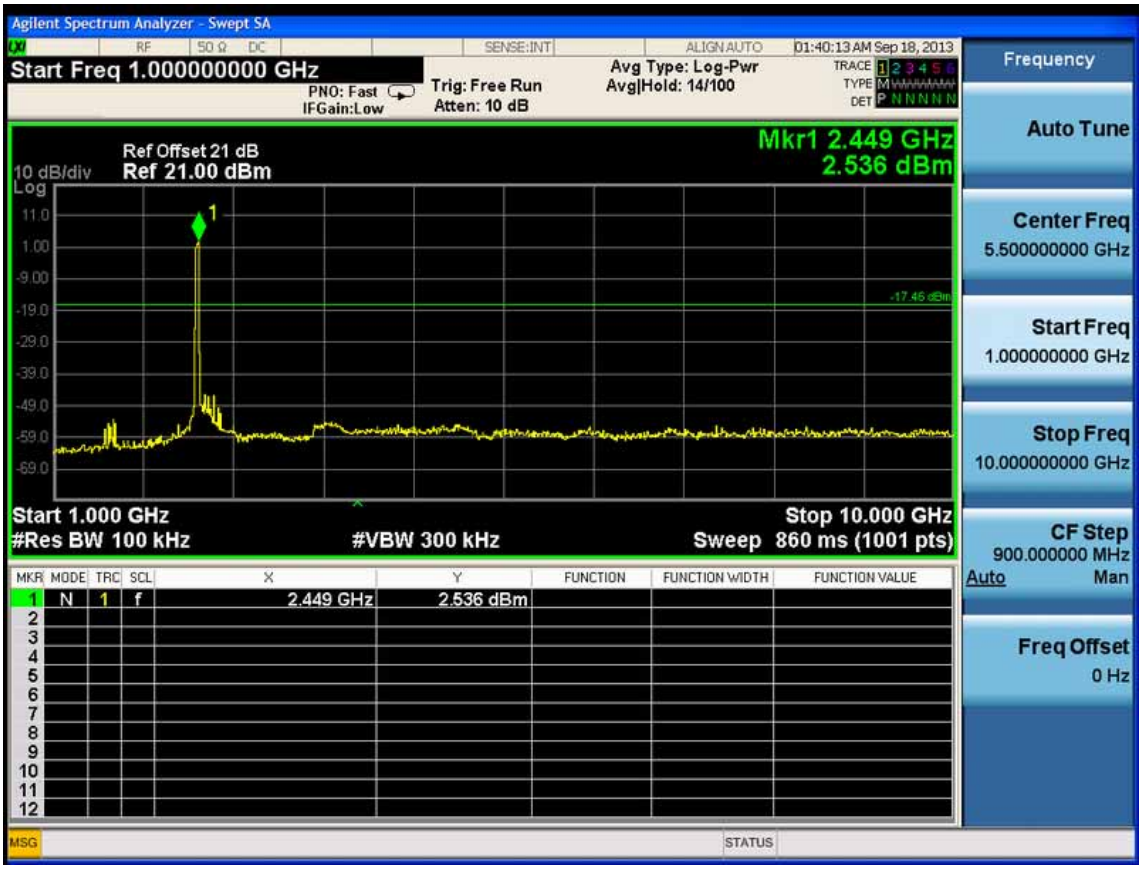

Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 18/100
01:35:25 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Mkr1 2.422 GHz
0.605 dBm
-19.40 dBm
Start 1.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 860 ms (1001 pts)
1 N 1 f 2.422 GHz 0.605 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
01:34:50 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Mkr1 2.417 07 GHz
1.830 dBm
-18.17 dBm
Start 2.31000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.42500 GHz
Sweep 11.0 ms (1001 pts)
1 N 1 f 2.417 07 GHz 1.830 dBm
2 N 1 f 2.390 00 GHz -45.693 dBm
3 N 1 f 2.400 00 GHz -28.041 dBm
Frequency
Auto Tune
Center Freq
2.367500000 GHz
Start Freq
2.310000000 GHz
Stop Freq
2.425000000 GHz
CF Step
11.500000 MHz
Auto
Man
Freq Offset
0 Hz

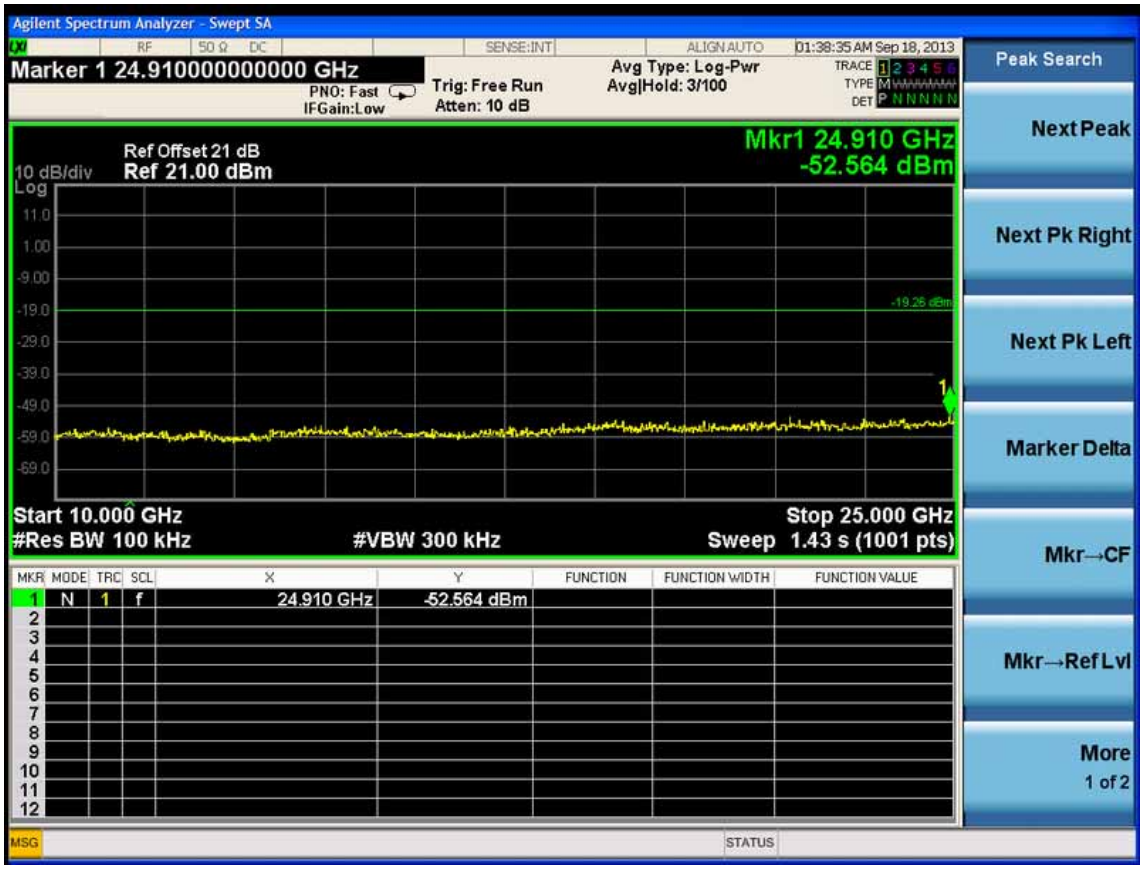
Test CH6: 2437MHz

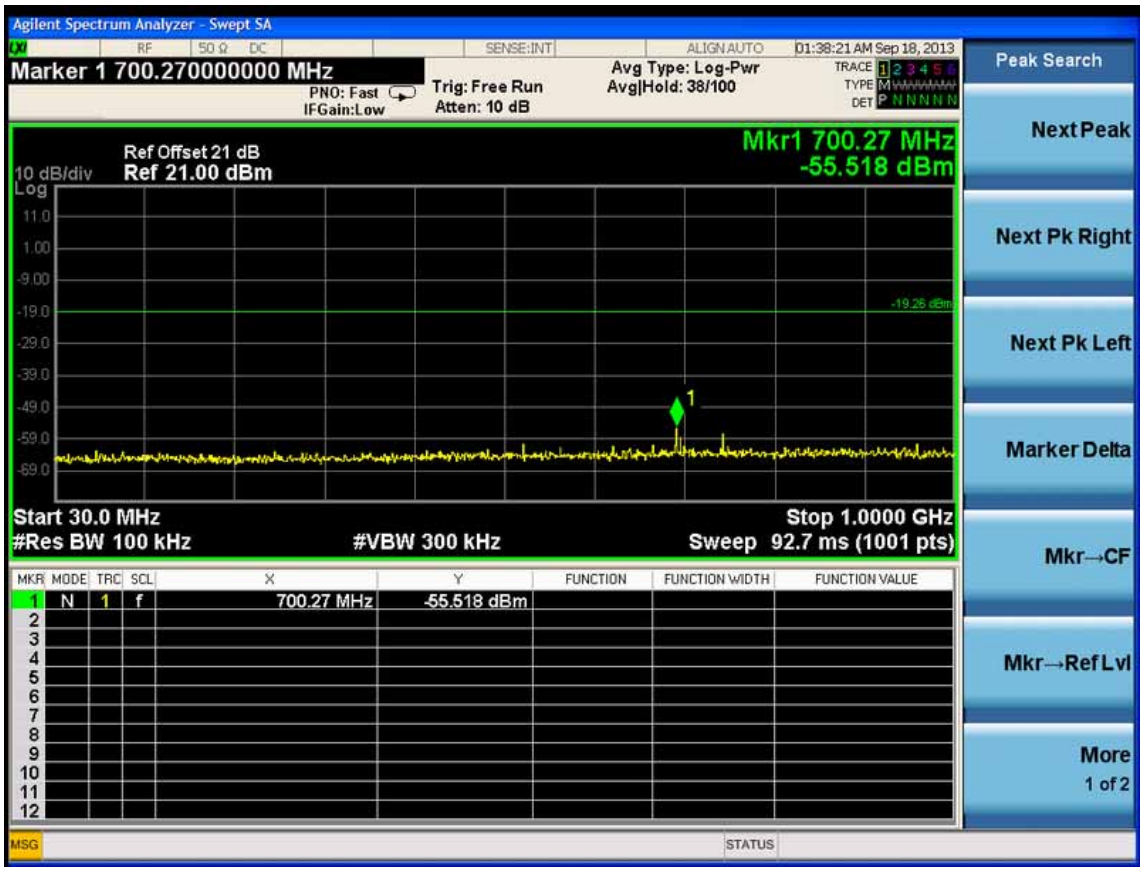


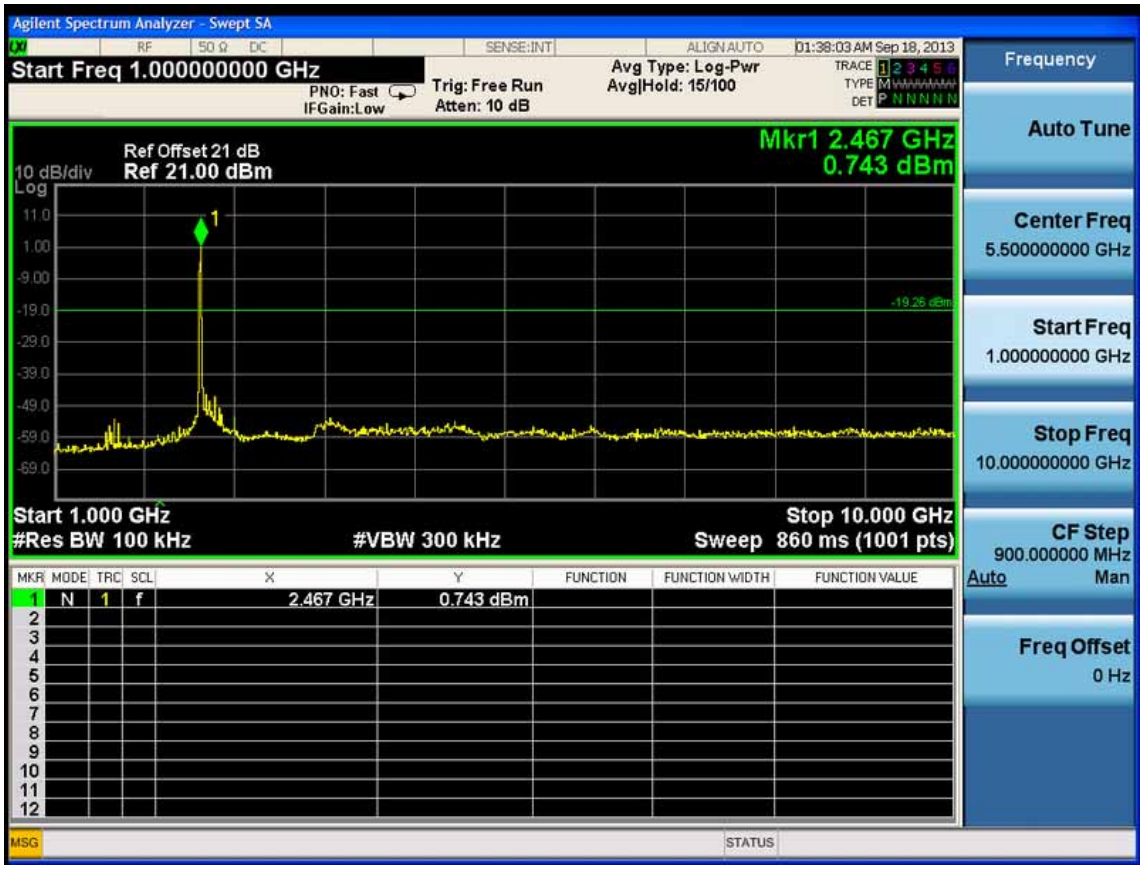




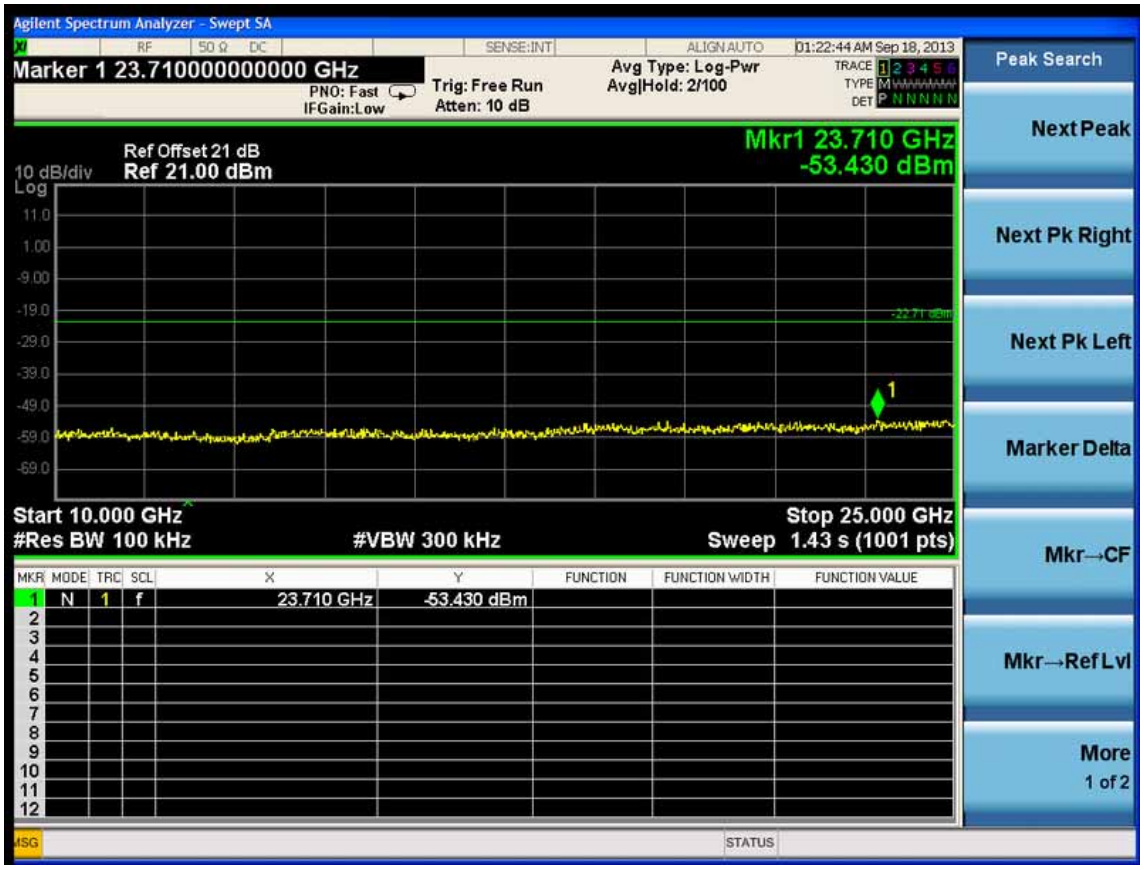
Test CH11: 2462MHz

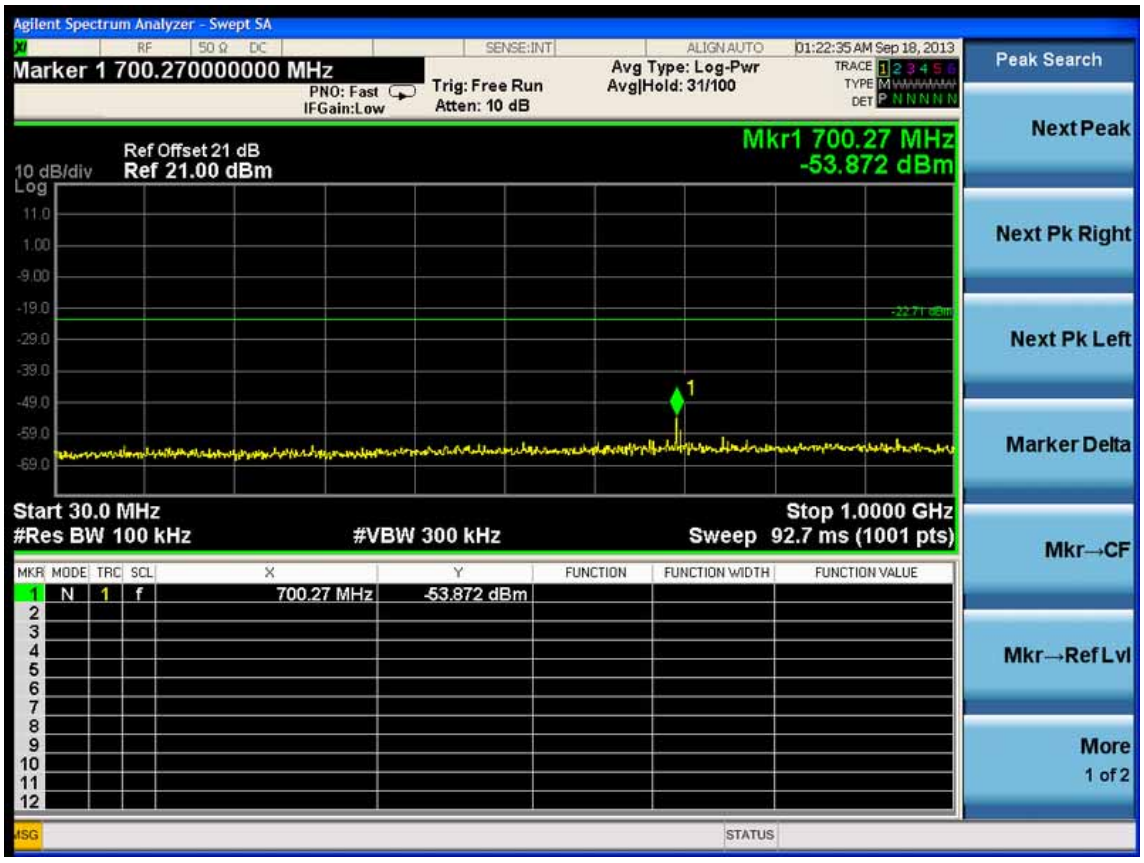

Agilent Spectrum Analyzer - Swept SA
Marker 1 24.910000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 3/100
01:38:35 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 24.910 GHz
-52.564 dBm
-19.26 dBm
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 1.43 s (1001 pts)
1 N 1 f 24.910 GHz -52.564 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS

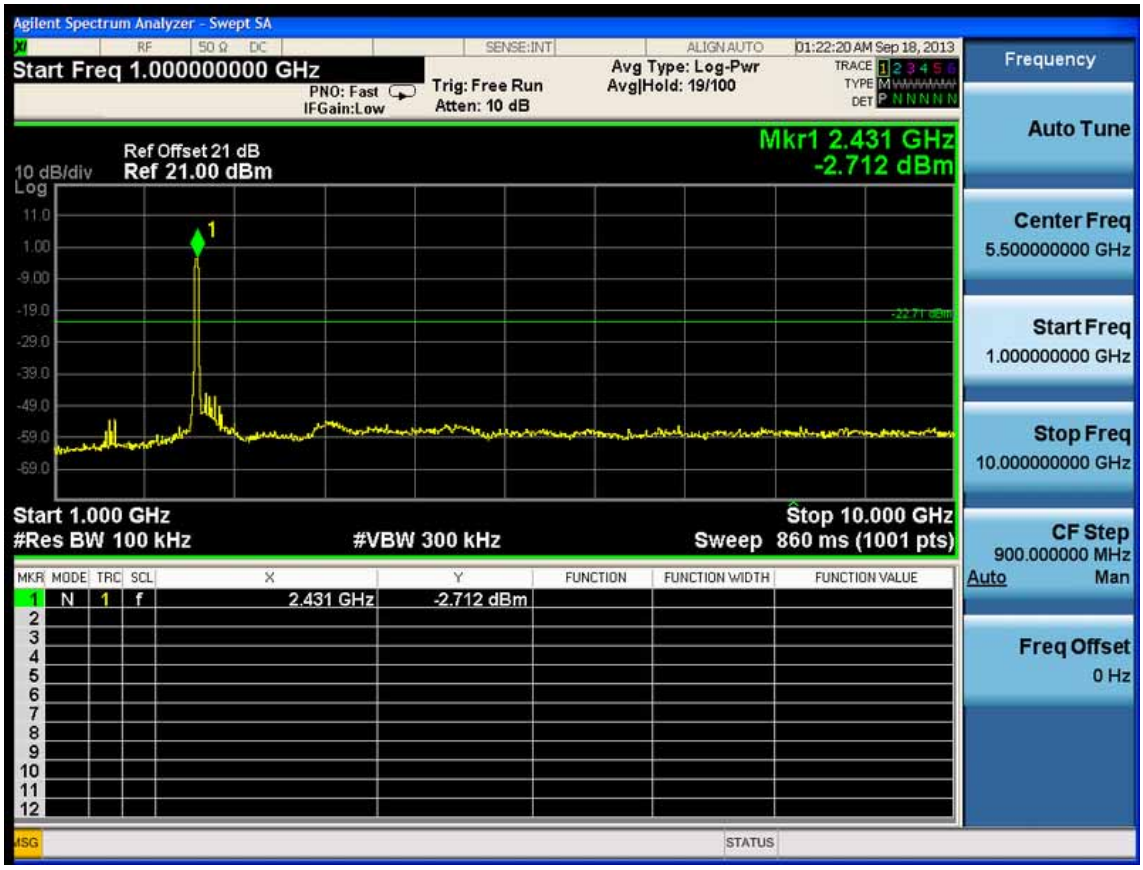

Agilent Spectrum Analyzer - Swept SA
Marker 1 700.270000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 38/100
01:38:21 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 700.27 MHz
-55.518 dBm
-19.26 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 92.7 ms (1001 pts)
1 N 1 f 700.27 MHz -55.518 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2
MSG
STATUS



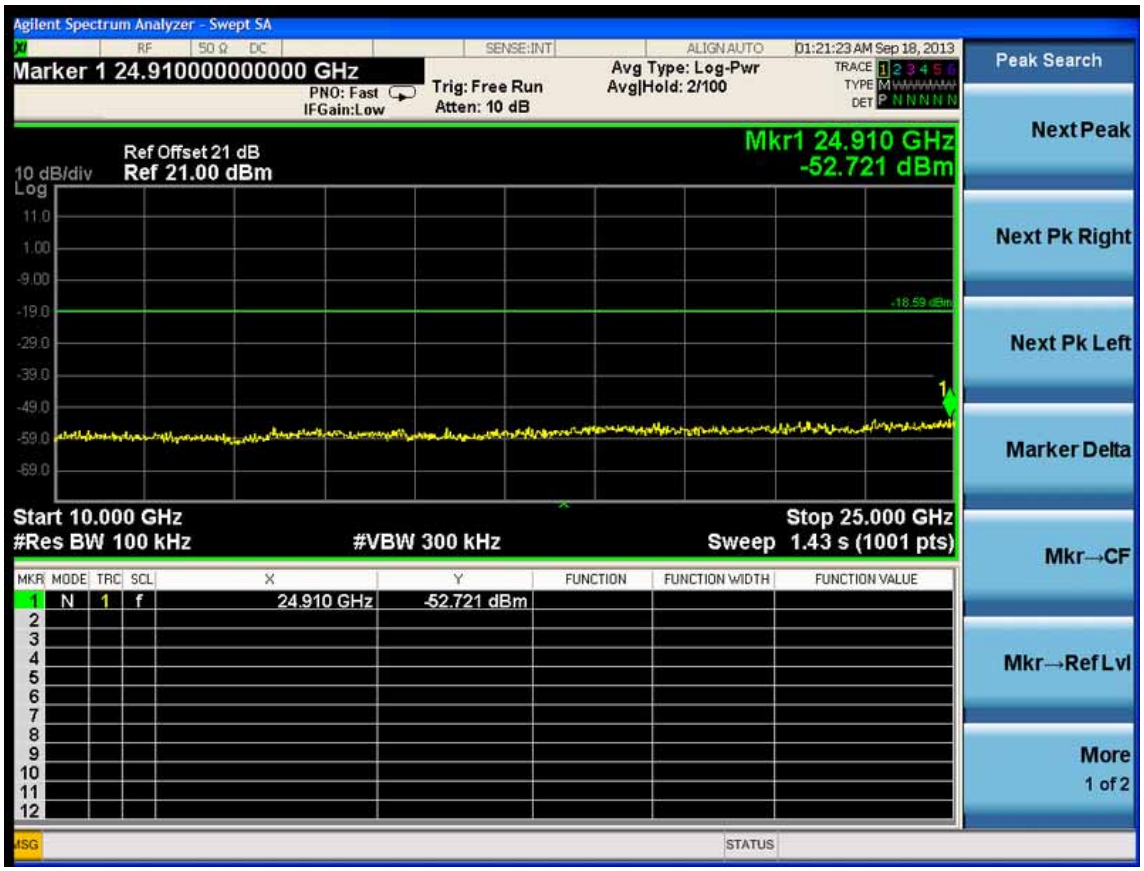
Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz

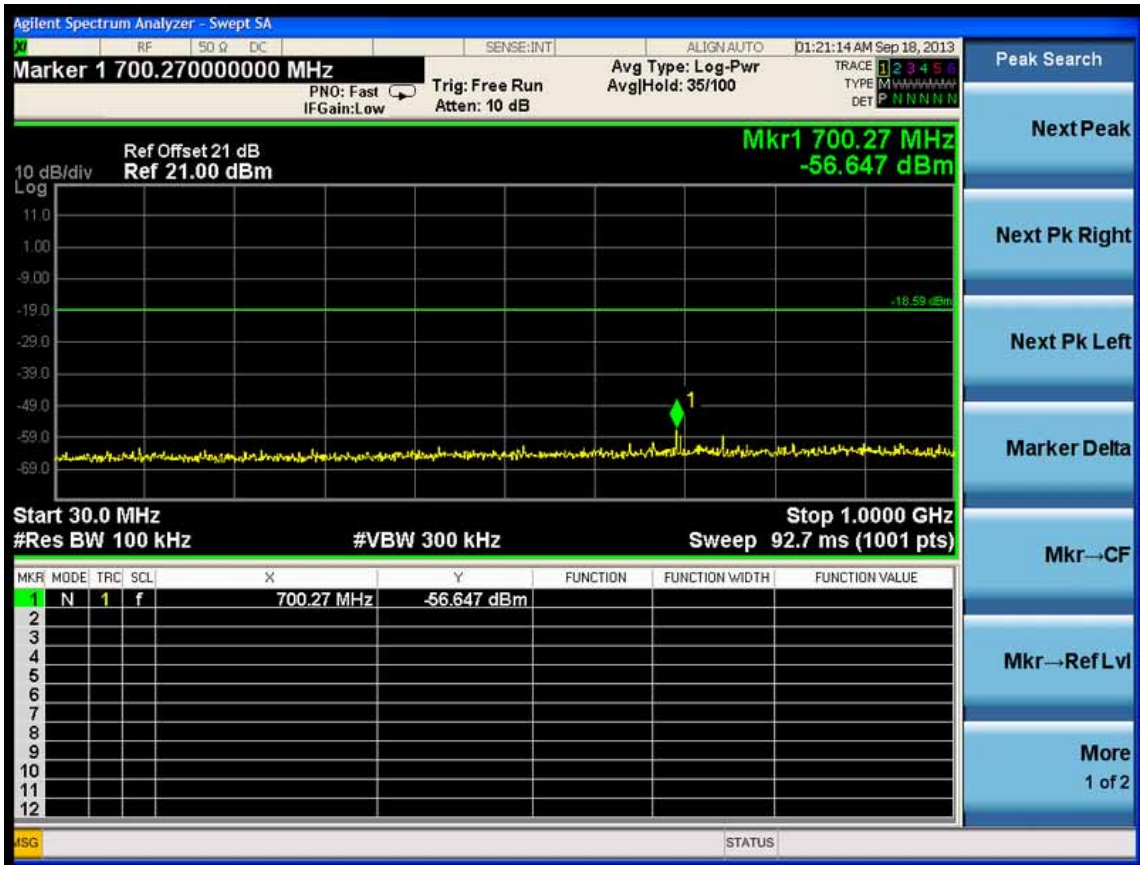

Agilent Spectrum Analyzer - Swept SA
Marker 1 23.710000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 2/100
01:22:44 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 23.710 GHz
-53.430 dBm
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 1.43 s (1001 pts)
1 N 1 f 23.710 GHz -53.430 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2

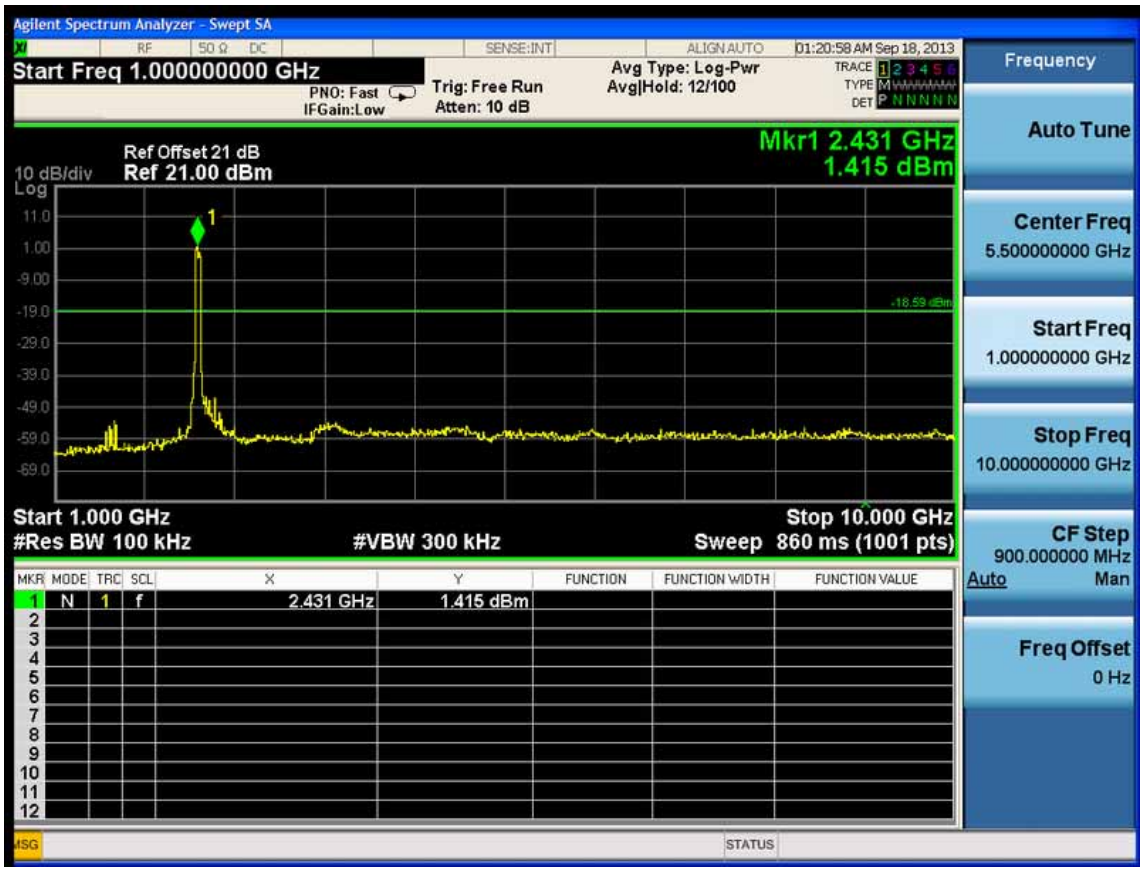

Agilent Spectrum Analyzer - Swept SA
Marker 1 700.270000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 31/100
01:22:35 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 700.27 MHz
-53.872 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 92.7 ms (1001 pts)
1 N 1 f 700.27 MHz -53.872 dBm
Peak Search
Next Peak
Next Pk Right
Next Pk Left
Marker Delta
Mkr→CF
Mkr→Ref Lvl
More
1 of 2



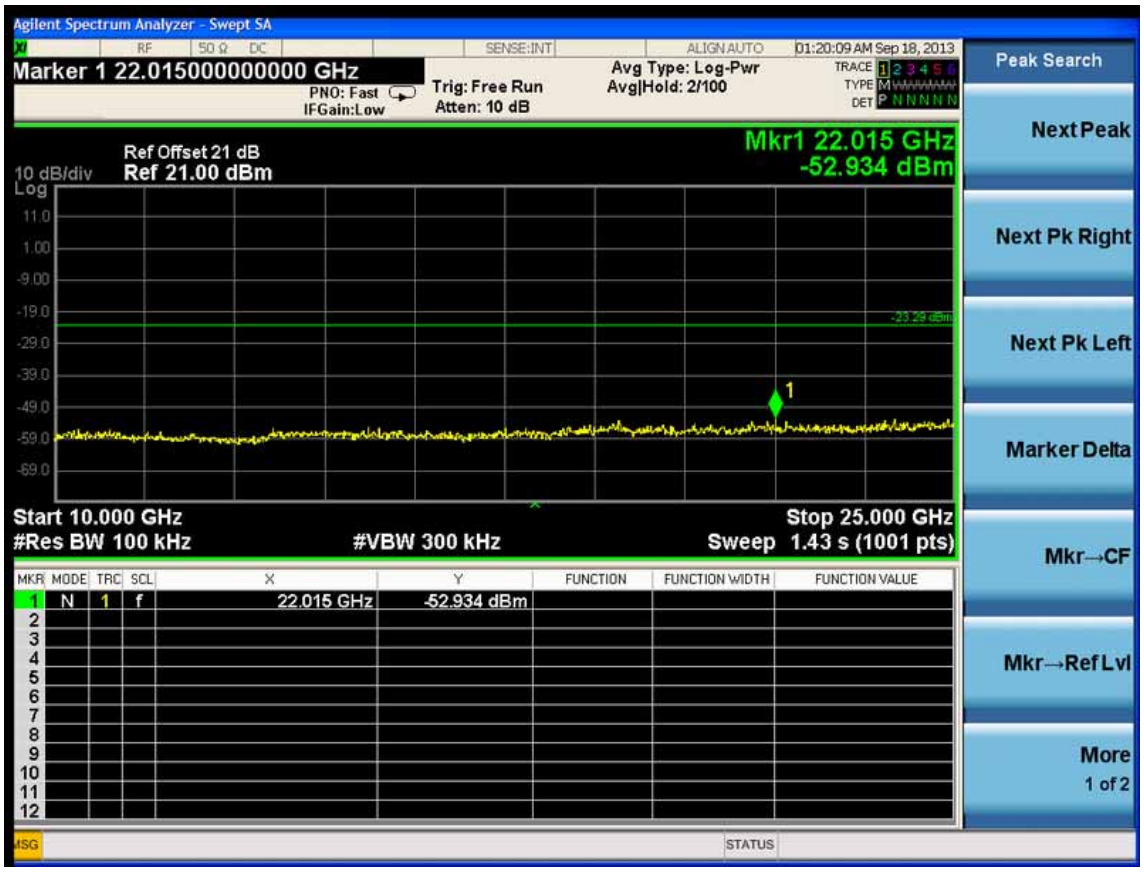
Test CH4: 2437MHz

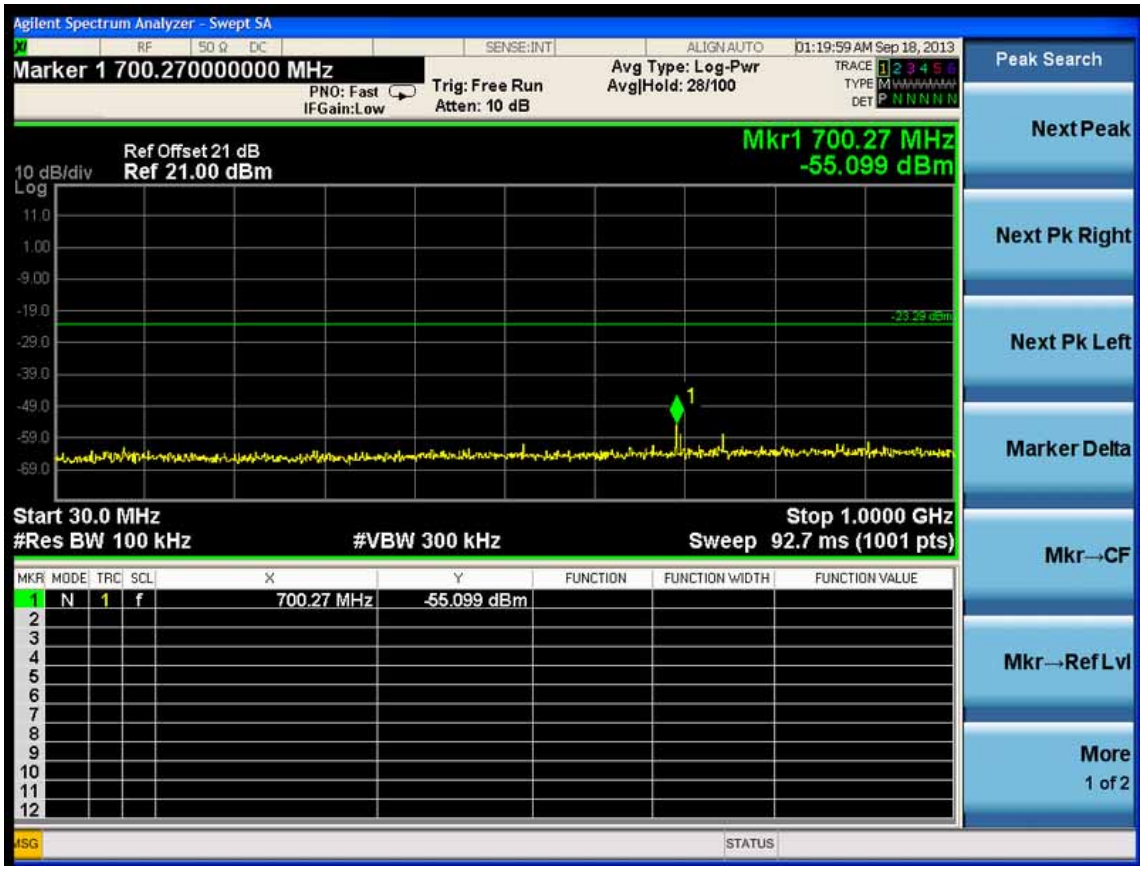


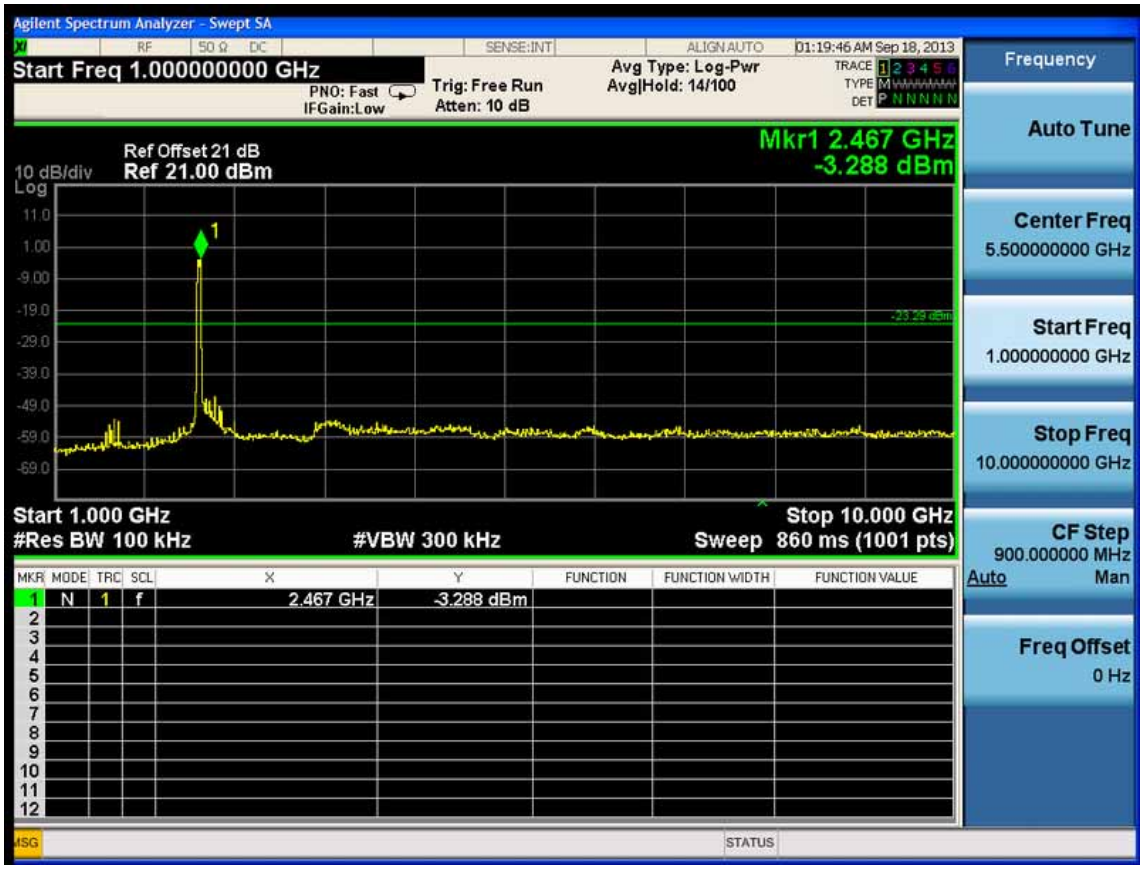

Agilent Spectrum Analyzer - Swept SA
Marker 1 700.270000000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 35/100
01:21:14 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 700.27 MHz
-56.647 dBm
-18.59 dBm
Start 30.0 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 1.0000 GHz
Sweep 92.7 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 700.27 MHz -56.647 dBm
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 - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 12/100
01:20:58 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Log
Mkr1 2.431 GHz
1.415 dBm
-18.59 dBm
Start 1.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 860 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.431 GHz 1.415 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Test CH7: 2452MHz






Agilent Spectrum Analyzer - Swept SA
Start Freq 1.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold: 14/100
01:19:46 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Mkr1 2.467 GHz
-3.288 dBm
Start 1.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 860 ms (1001 pts)
1 N 1 f 2.467 GHz -3.288 dBm
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.425000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 10 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
01:19:07 AM Sep 18, 2013
Ref Offset 21 dB
10 dB/div
Ref 21.00 dBm
Mkr1 2.463 250 GHz
-1.939 dBm
Start 2.42500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.51000 GHz
Sweep 8.13 ms (1001 pts)
1 N 1 f 2.463 250 GHz -1.939 dBm
2 N 1 f 2.483 500 GHz -49.126 dBm
3 N 1 f 2.500 000 GHz -45.915 dBm
Frequency
Auto Tune
Center Freq
2.467500000 GHz
Start Freq
2.425000000 GHz
Stop Freq
2.510000000 GHz
CF Step
8.500000 MHz
Auto
Man
Freq Offset
0 Hz

6. BAND EDGE COMPLIANCE TEST

6.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	May.08, 13	1 Year
2.	Amp	HP	8449B	3008A08495	May.08, 13	1 Year
3.	Antenna	EMCO	3115	9607-4580	May.08, 13	1Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May.08, 13	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.

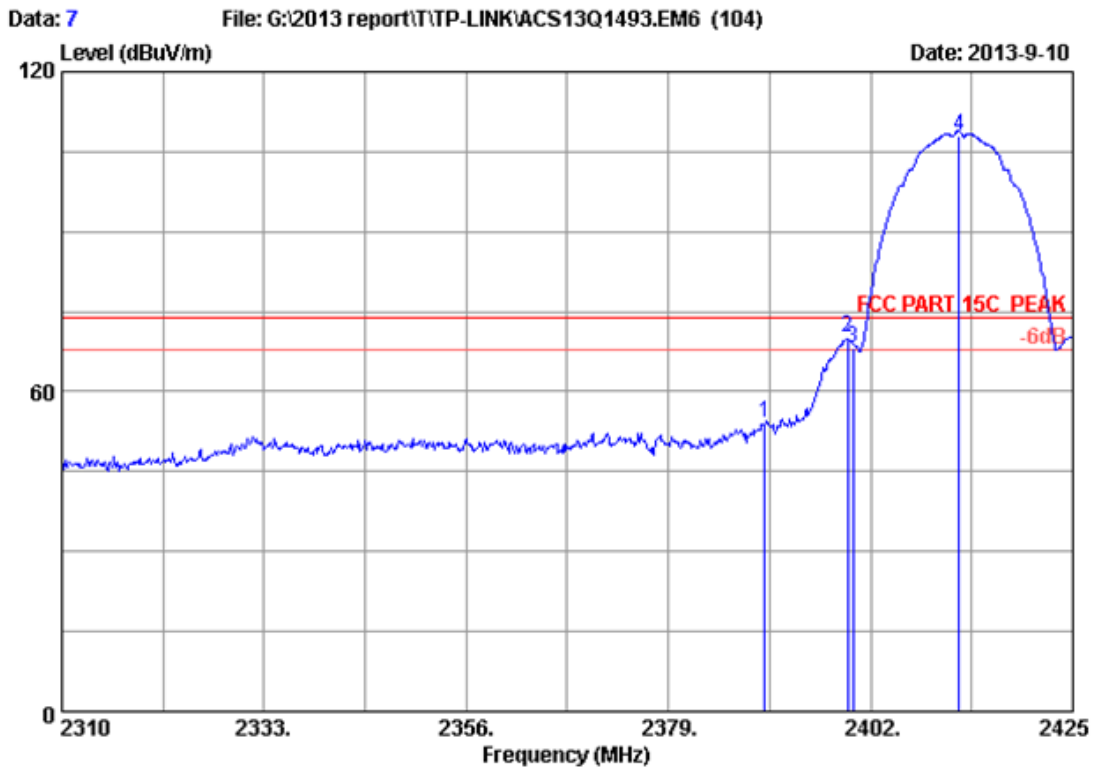
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

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

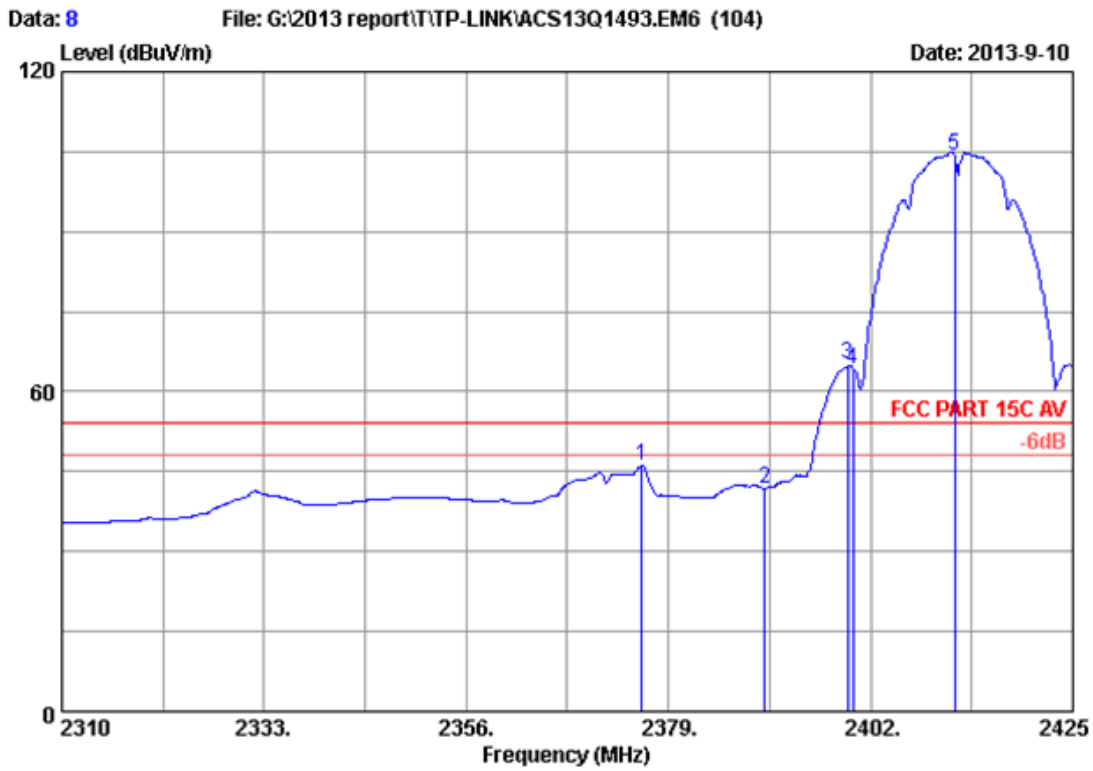
Pass (The testing data was attached in the next pages.)



Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	57.29	54.07	74.00	19.93	Peak
2	2399.355	26.76	5.80	35.70	73.34	70.20	74.00	3.80	Peak
3	2400.000	26.76	5.80	35.70	71.32	68.18	74.00	5.82	Peak
4	2412.106	26.84	5.81	35.70	111.18	108.13	74.00	-34.13	Peak

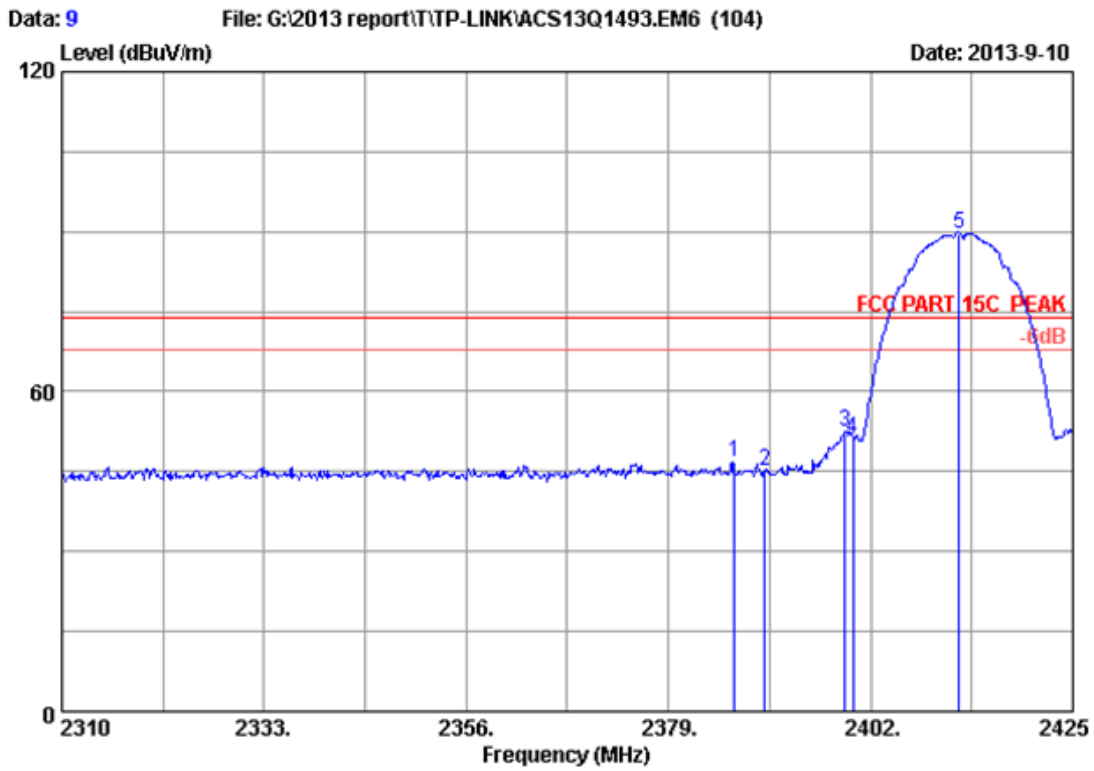
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2376.011	26.61	5.76	35.70	49.54	46.21	54.00	7.79	Average
2	2390.000	26.70	5.78	35.70	44.97	41.75	54.00	12.25	Average
3	2399.350	26.76	5.80	35.70	68.24	65.10	54.00	-11.10	Average
4	2400.000	26.76	5.80	35.70	67.18	64.04	54.00	-10.04	Average
5	2411.595	26.83	5.81	35.70	107.29	104.23	54.00	-50.23	Average

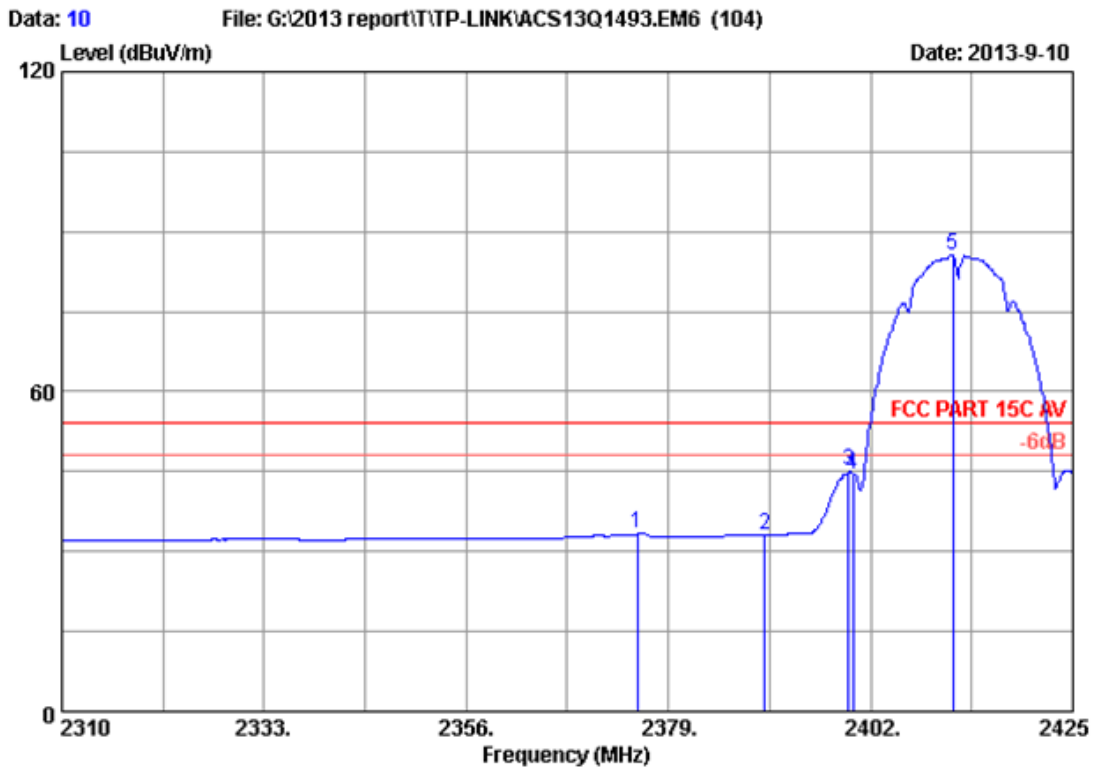
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2386.542	26.67	5.78	35.70	50.16	46.91	74.00	27.09	Peak
2	2390.000	26.70	5.78	35.70	48.47	45.25	74.00	28.75	Peak
3	2399.125	26.75	5.80	35.70	55.49	52.34	74.00	21.66	Peak
4	2400.000	26.76	5.80	35.70	54.41	51.27	74.00	22.73	Peak
5	2412.089	26.84	5.81	35.70	92.48	89.43	74.00	-15.43	Peak

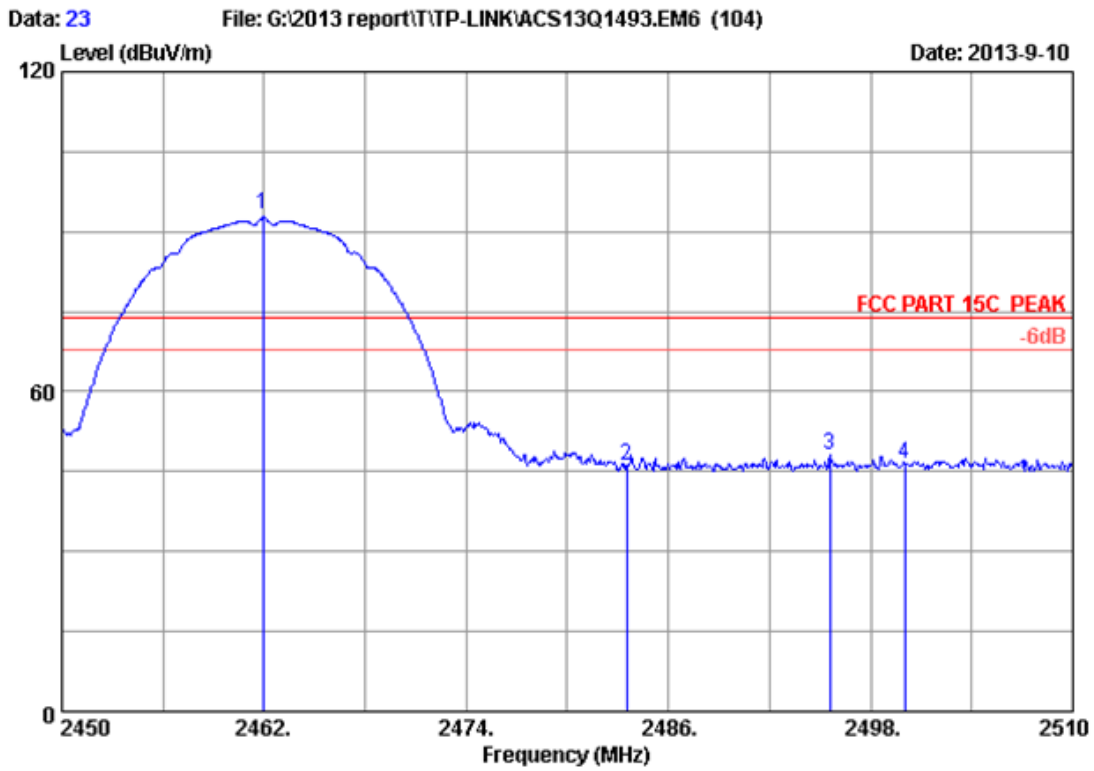
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2375.489	26.60	5.76	35.70	36.72	33.38	54.00	20.62	Average
2	2390.000	26.70	5.78	35.70	36.27	33.05	54.00	20.95	Average
3	2399.460	26.76	5.80	35.70	48.36	45.22	54.00	8.78	Average
4	2400.000	26.76	5.80	35.70	47.76	44.62	54.00	9.38	Average
5	2411.381	26.83	5.81	35.70	88.75	85.69	54.00	-31.69	Average

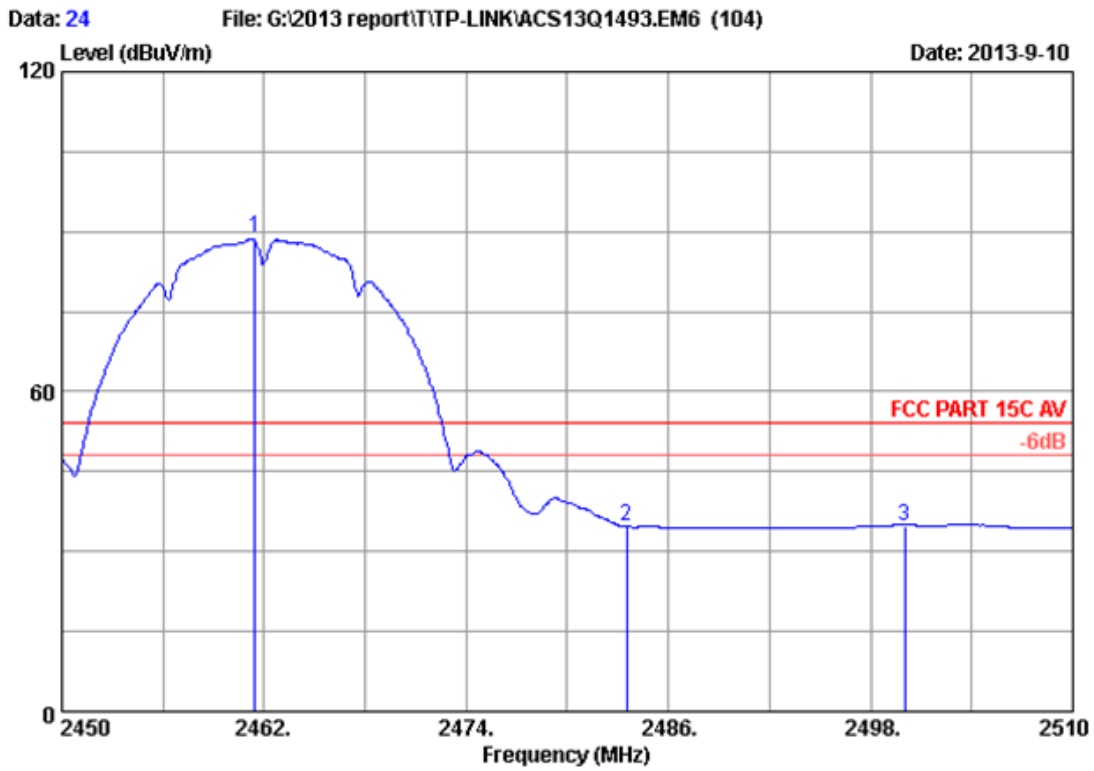
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.950	27.16	5.89	35.70	95.74	93.09	74.00	-19.09	Peak
2	2483.500	27.29	5.92	35.70	48.74	46.25	74.00	27.75	Peak
3	2495.600	27.37	5.94	35.70	50.61	48.22	74.00	25.78	Peak
4	2500.000	27.40	5.94	35.70	48.98	46.62	74.00	27.38	Peak

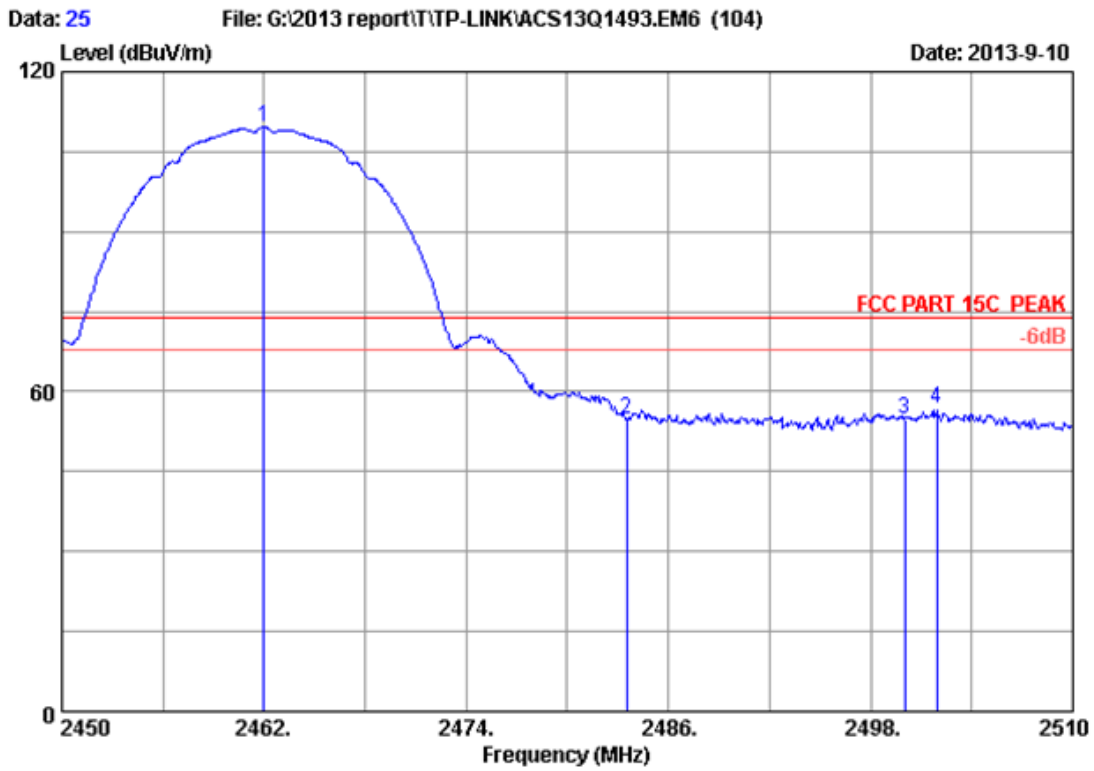
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.480	27.15	5.89	35.70	91.46	88.80	54.00	-34.80	Average
2	2483.500	27.29	5.92	35.70	37.15	34.66	54.00	19.34	Average
3	2500.000	27.40	5.94	35.70	37.28	34.92	54.00	19.08	Average

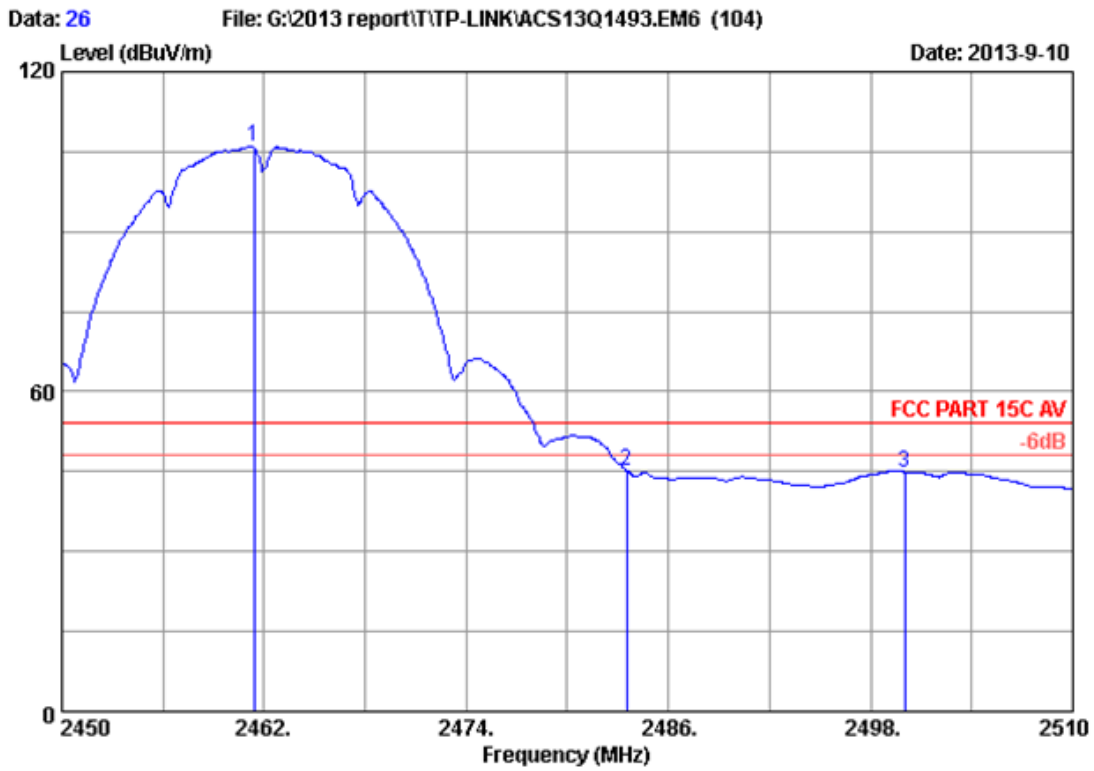
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	27.16	5.89	35.70	112.42	109.77	74.00	-35.77	Peak
2	2483.500	27.29	5.92	35.70	57.24	54.75	74.00	19.25	Peak
3	2500.000	27.40	5.94	35.70	57.27	54.91	74.00	19.09	Peak
4	2501.943	27.41	5.95	35.70	59.16	56.82	74.00	17.18	Peak

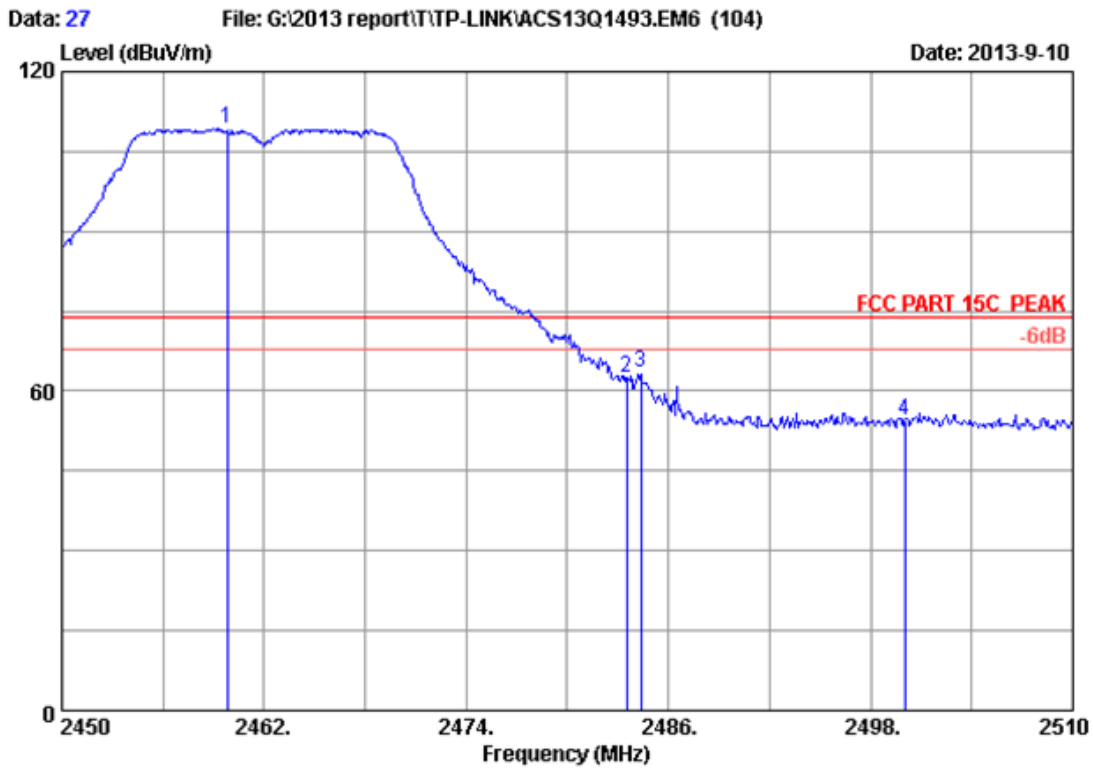
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.426	27.15	5.89	35.70	108.47	105.81	54.00	-51.81	Average
2	2483.500	27.29	5.92	35.70	47.68	45.19	54.00	8.81	Average
3	2500.000	27.40	5.94	35.70	47.28	44.92	54.00	9.08	Average

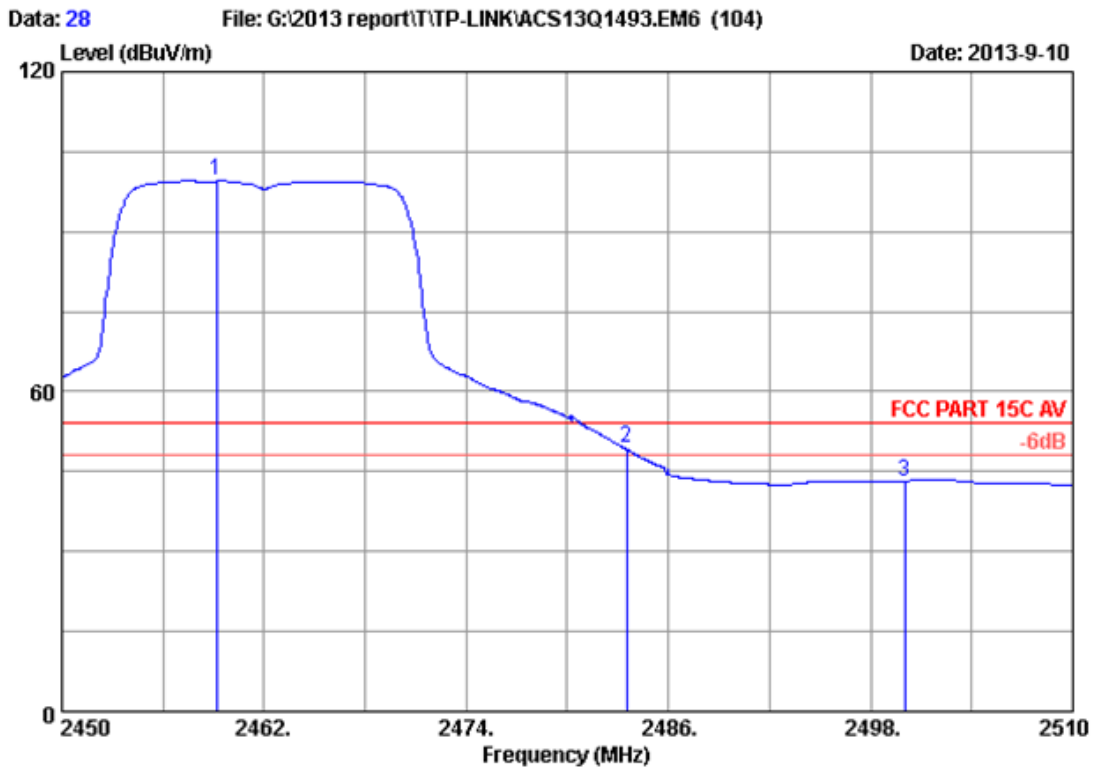
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.840	27.14	5.88	35.70	112.07	109.39	74.00	-35.39	Peak
2	2483.500	27.29	5.92	35.70	65.03	62.54	74.00	11.46	Peak
3	2484.380	27.30	5.92	35.70	66.01	63.53	74.00	10.47	Peak
4	2500.000	27.40	5.94	35.70	56.95	54.59	74.00	19.41	Peak

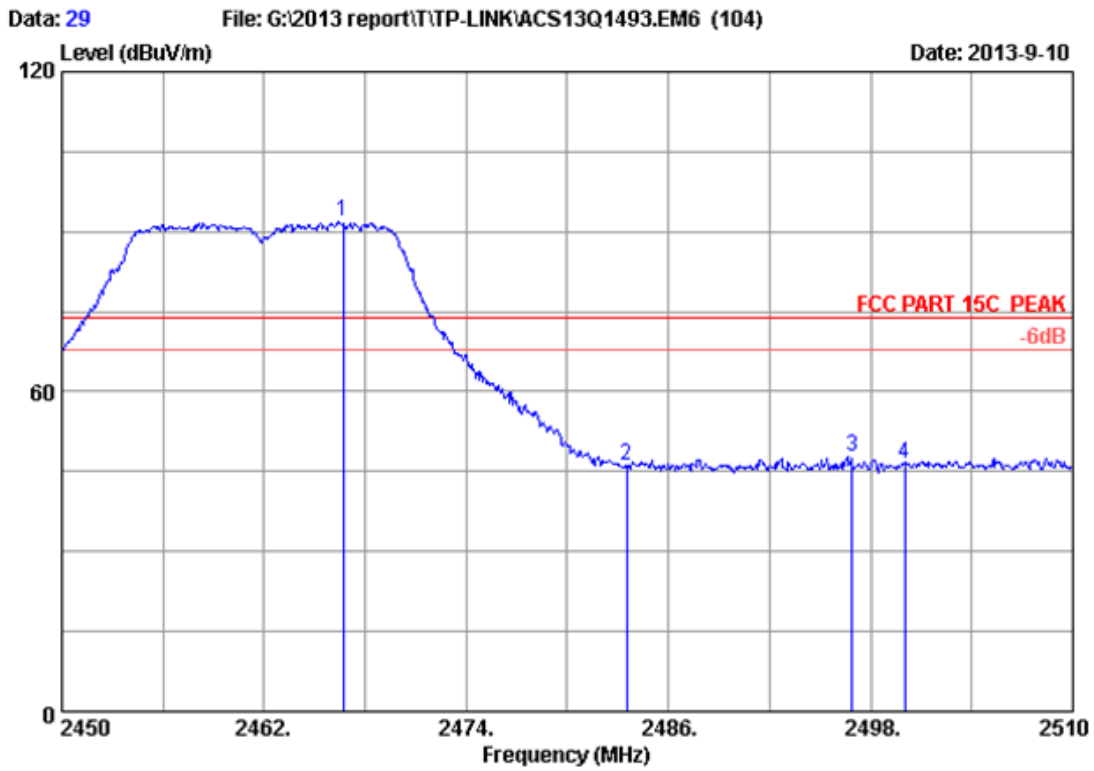
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.160	27.14	5.88	35.70	102.35	99.67	54.00	-45.67	Average
2	2483.500	27.29	5.92	35.70	52.10	49.61	54.00	4.39	Average
3	2500.000	27.40	5.94	35.70	45.56	43.20	54.00	10.80	Average

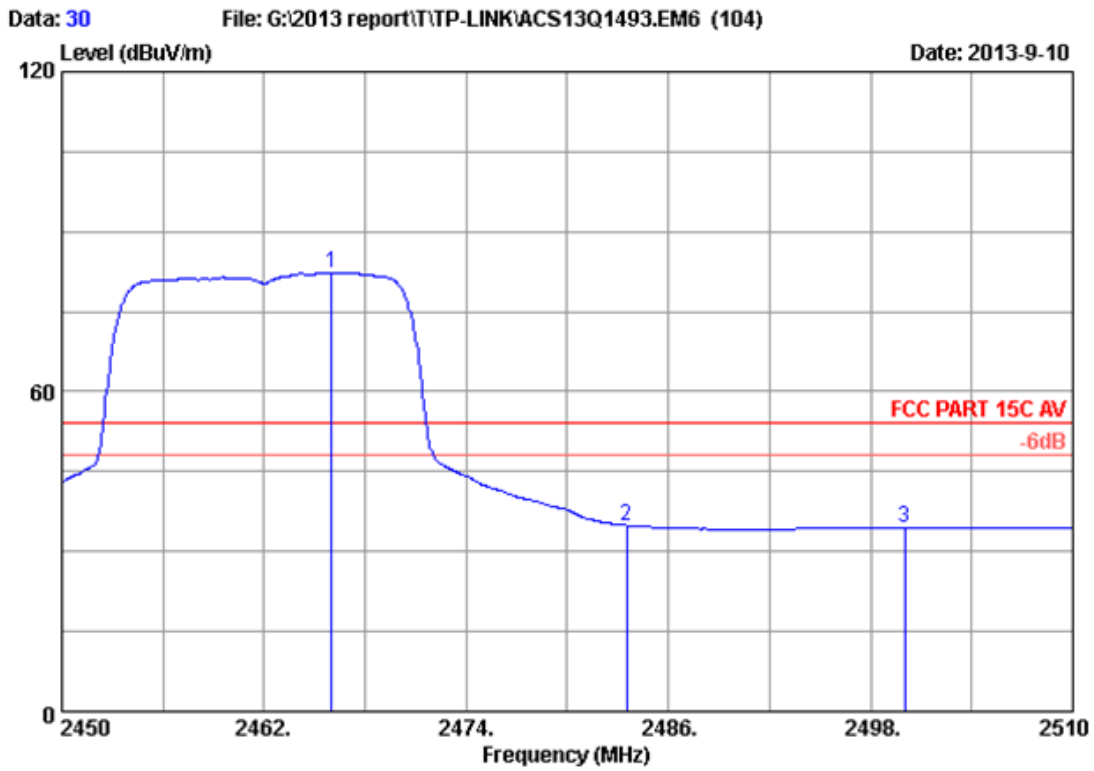
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2466.710	27.19	5.89	35.70	94.58	91.96	74.00	-17.96	Peak
2	2483.500	27.29	5.92	35.70	48.71	46.22	74.00	27.78	Peak
3	2496.894	27.38	5.94	35.70	50.29	47.91	74.00	26.09	Peak
4	2500.000	27.40	5.94	35.70	48.67	46.31	74.00	27.69	Peak

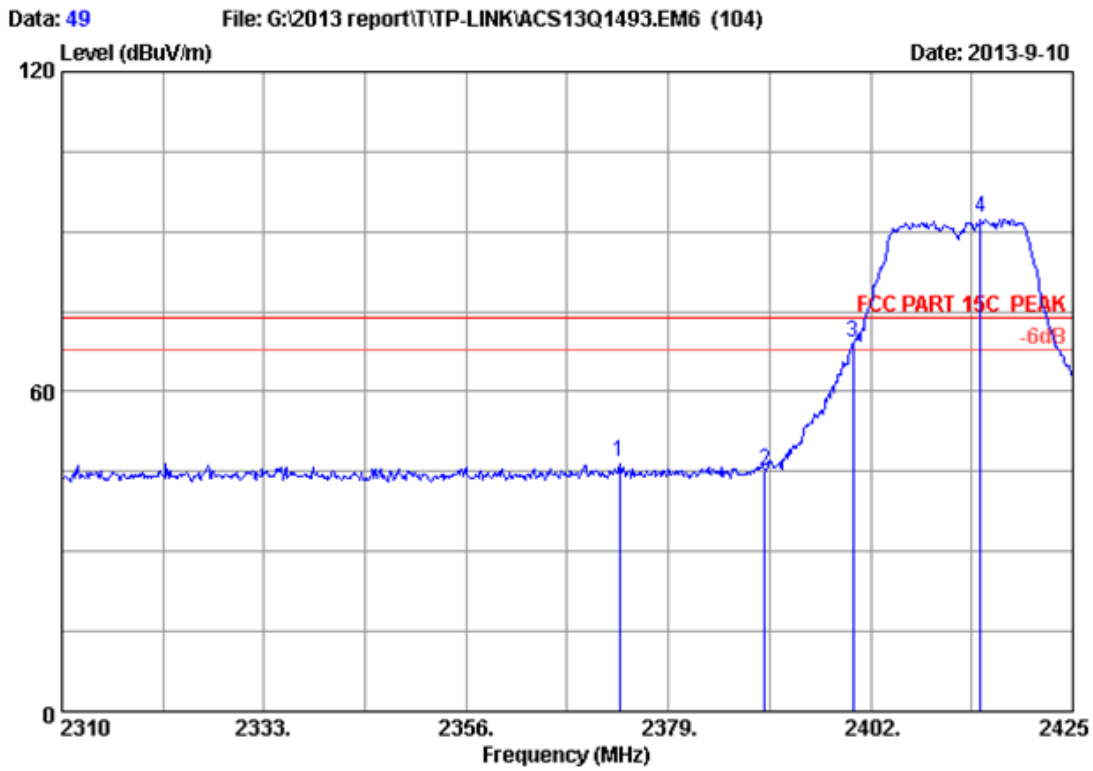
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2466.031	27.18	5.89	35.70	84.75	82.12	54.00	-28.12	Average
2	2483.500	27.29	5.92	35.70	37.41	34.92	54.00	19.08	Average
3	2500.000	27.40	5.94	35.70	36.68	34.32	54.00	19.68	Average

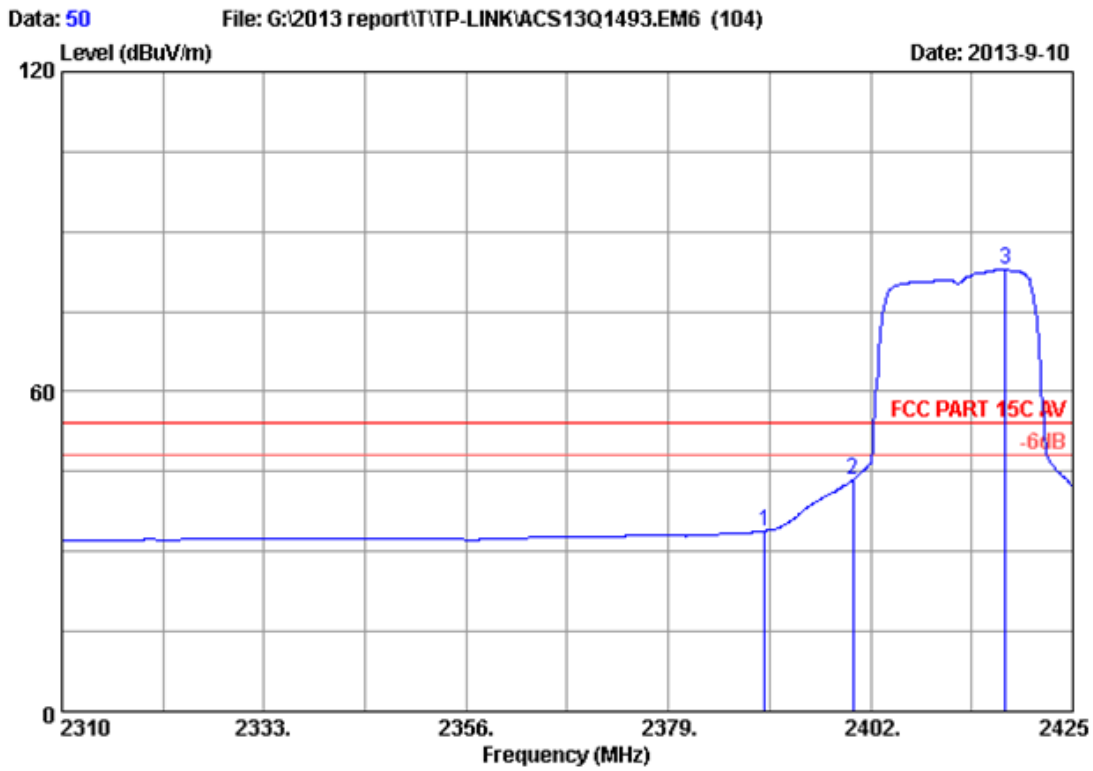
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2373.480	26.59	5.76	35.70	50.13	46.78	74.00	27.22	Peak
2	2390.000	26.70	5.78	35.70	48.48	45.26	74.00	28.74	Peak
3	2400.000	26.76	5.80	35.70	72.46	69.32	74.00	4.68	Peak
4	2414.463	26.85	5.82	35.70	95.63	92.60	74.00	-18.60	Peak

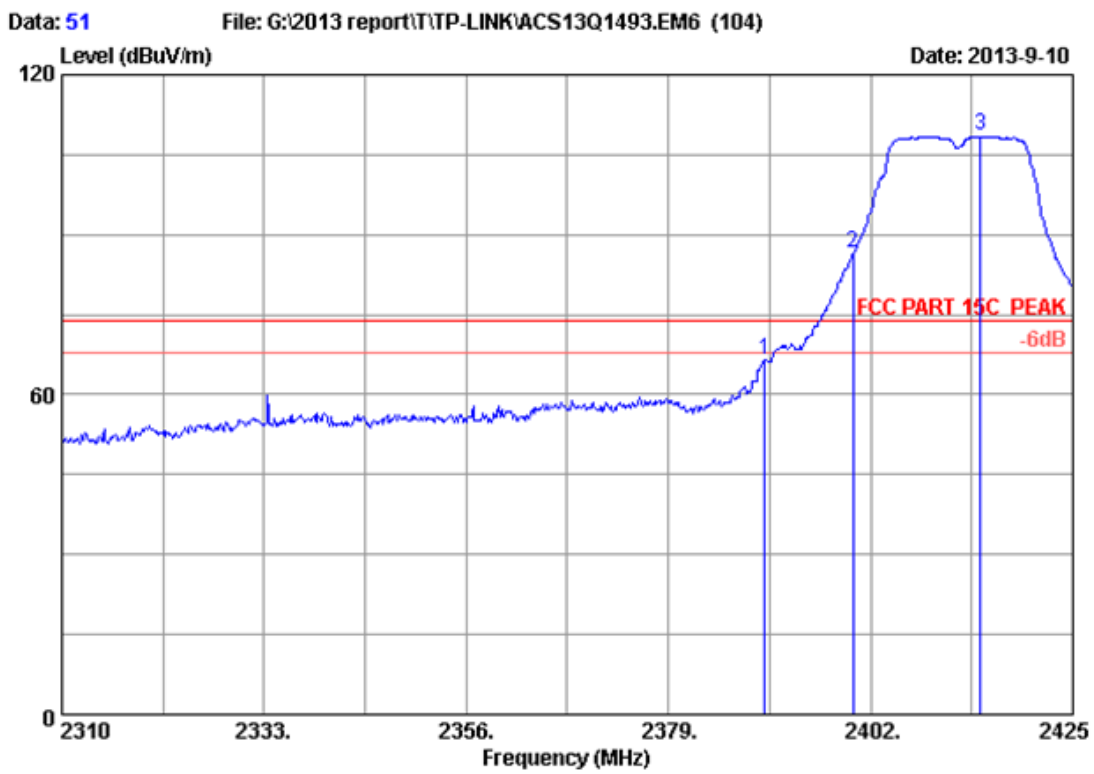
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	37.14	33.92	54.00	20.08	Average
2	2400.000	26.76	5.80	35.70	46.69	43.55	54.00	10.45	Average
3	2417.295	26.87	5.82	35.70	86.04	83.03	54.00	-29.03	Average

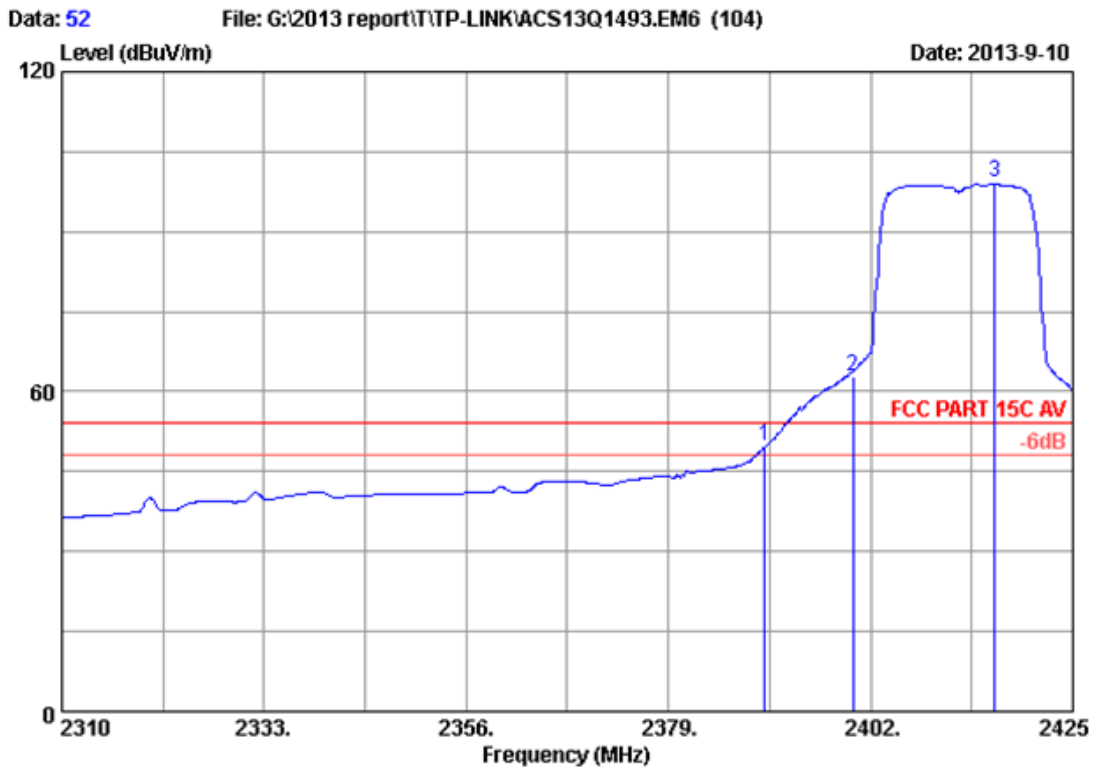
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	69.67	66.45	74.00	7.55	Peak
2	2400.000	26.76	5.80	35.70	89.71	86.57	74.00	-12.57	Peak
3	2414.530	26.85	5.82	35.70	111.79	108.76	74.00	-34.76	Peak

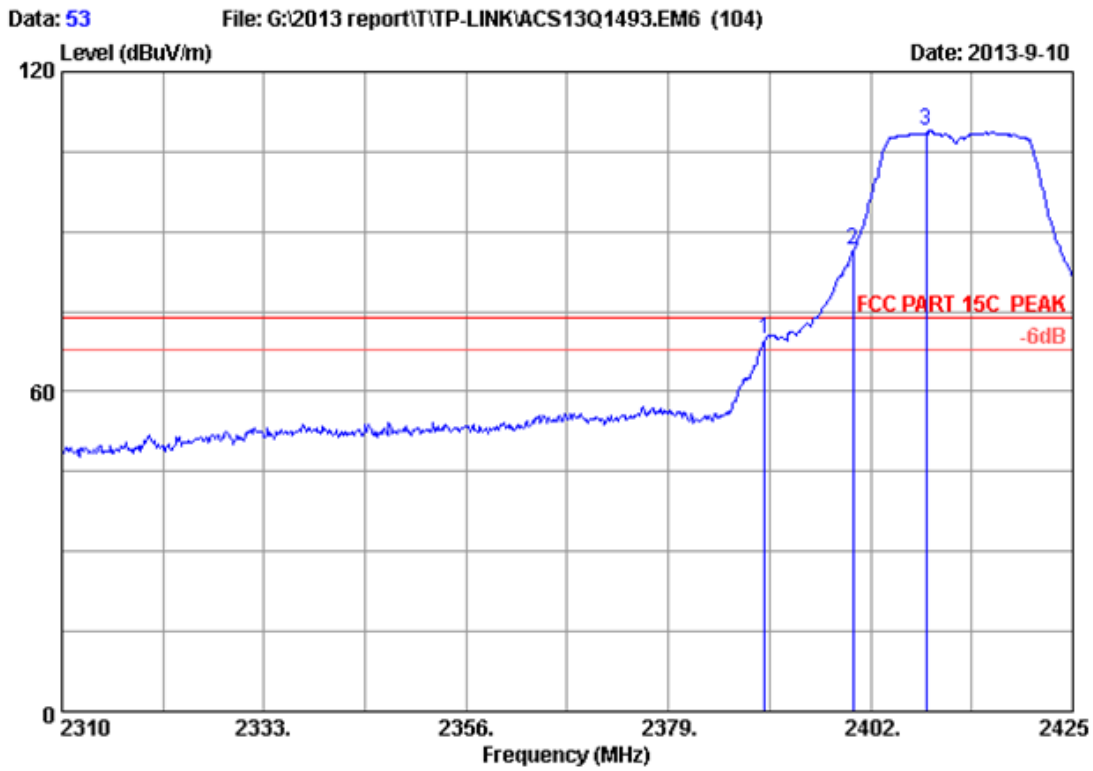
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	52.92	49.70	54.00	4.30	Average
2	2400.000	26.76	5.80	35.70	66.01	62.87	54.00	-8.87	Average
3	2416.168	26.86	5.82	35.70	102.16	99.14	54.00	-45.14	Average

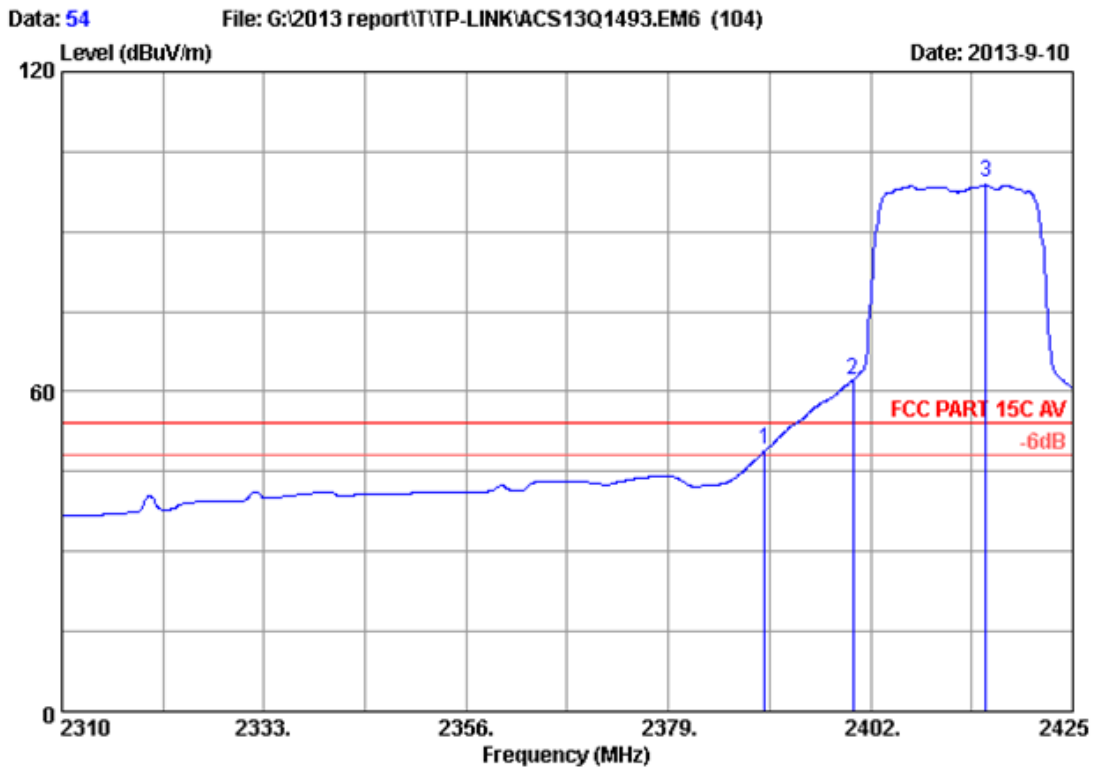
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	73.00	69.78	74.00	4.22	Peak
2	2400.000	26.76	5.80	35.70	89.68	86.54	74.00	-12.54	Peak
3	2408.320	26.81	5.81	35.70	112.15	109.07	74.00	-35.07	Peak

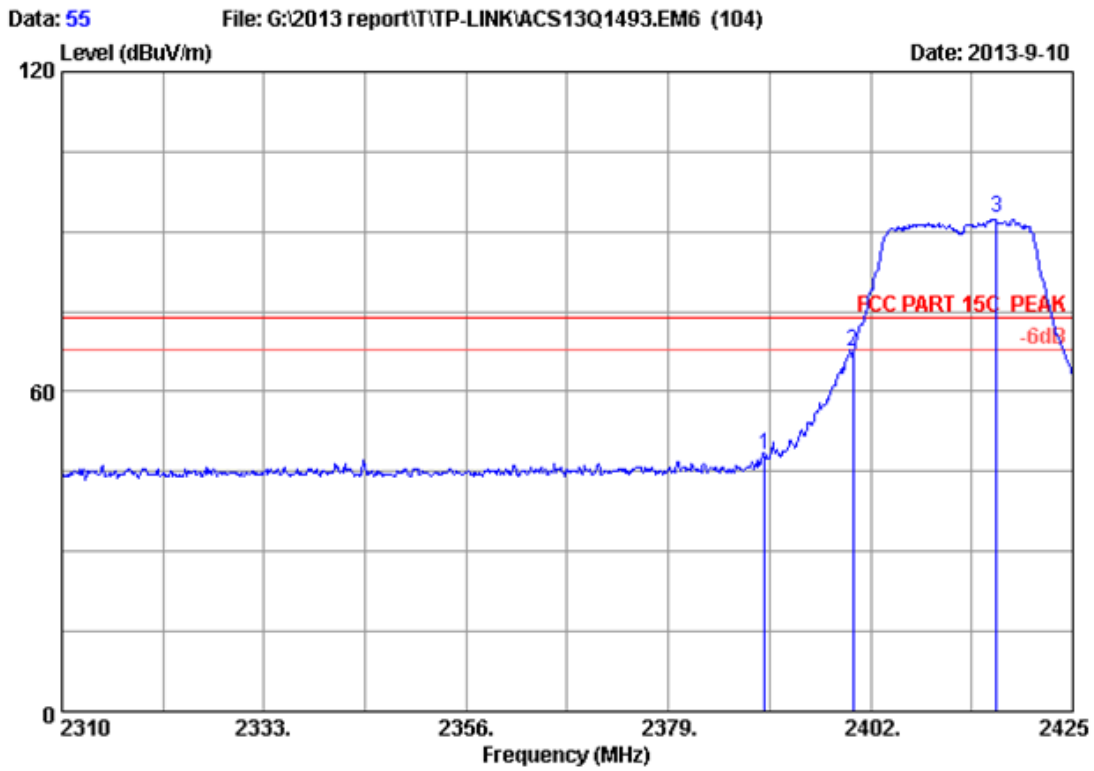
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	52.22	49.00	54.00	5.00	Average
2	2400.000	26.76	5.80	35.70	65.43	62.29	54.00	-8.29	Average
3	2415.090	26.86	5.82	35.70	102.16	99.14	54.00	-45.14	Average

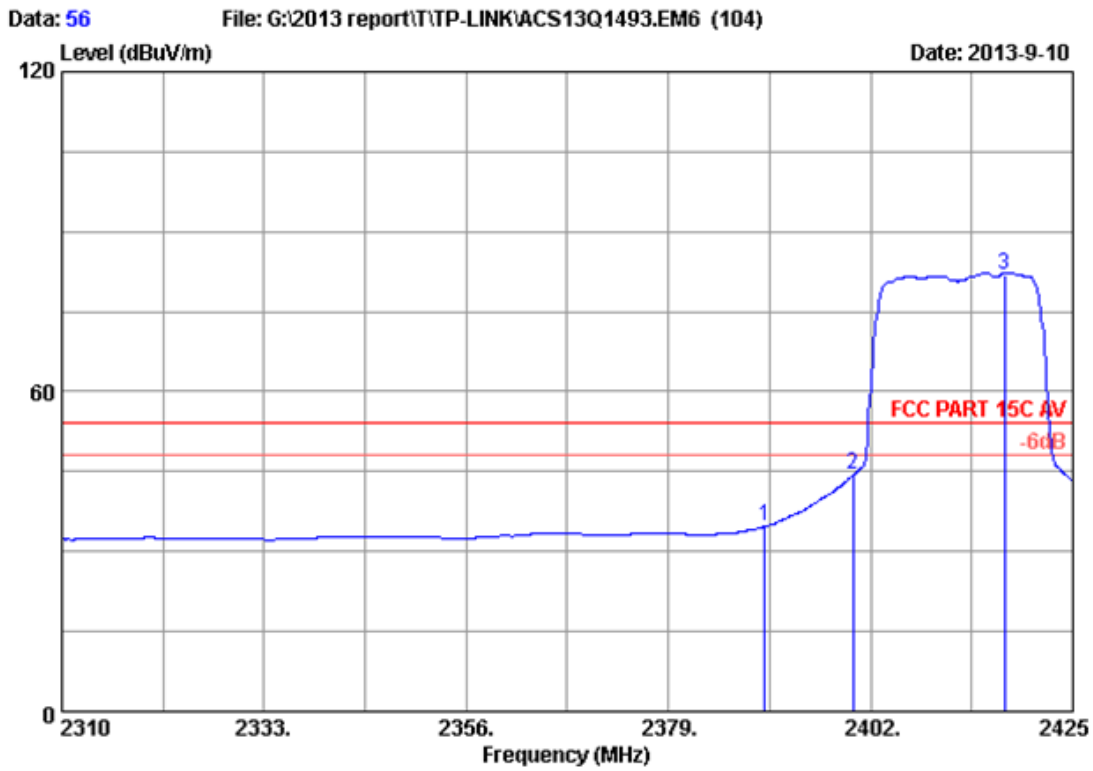
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	51.19	47.97	74.00	26.03	Peak
2	2400.000	26.76	5.80	35.70	70.73	67.59	74.00	6.41	Peak
3	2416.284	26.86	5.82	35.70	95.75	92.73	74.00	-18.73	Peak

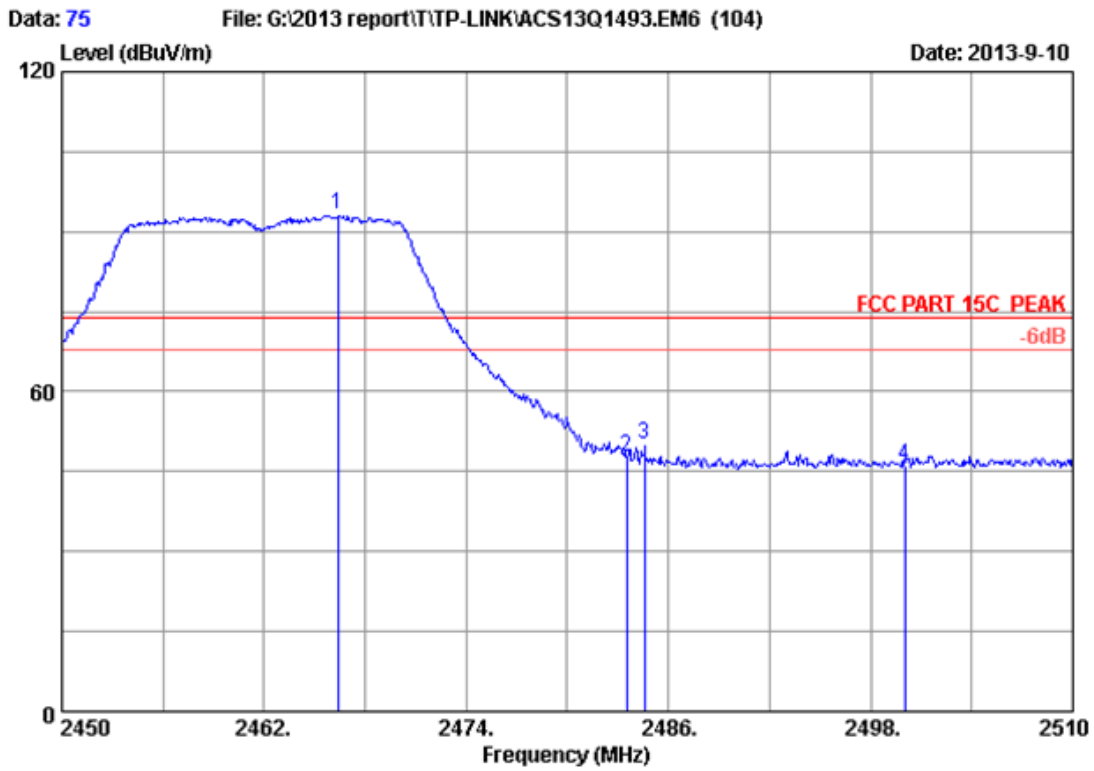
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	26.70	5.78	35.70	37.95	34.73	54.00	19.27	Average
2	2400.000	26.76	5.80	35.70	47.53	44.39	54.00	9.61	Average
3	2417.269	26.87	5.82	35.70	85.03	82.02	54.00	-28.02	Average

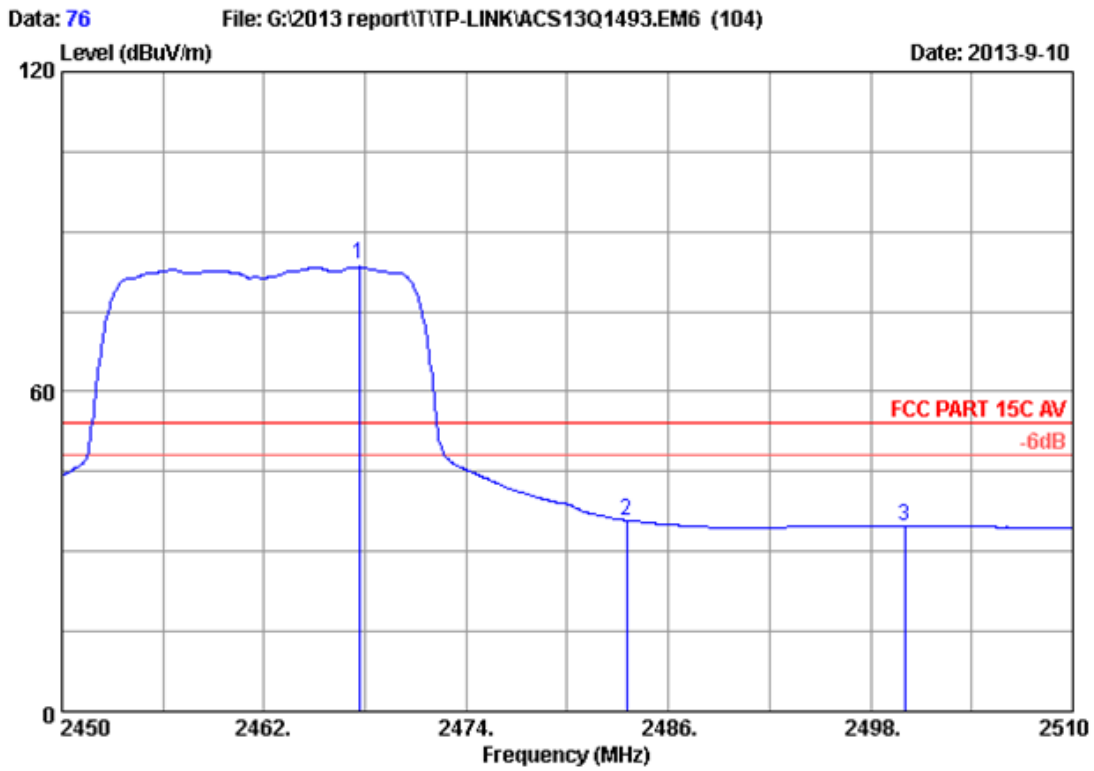
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2466.360	27.18	5.89	35.70	96.01	93.38	74.00	-19.38	Peak
2	2483.500	27.29	5.92	35.70	50.20	47.71	74.00	26.29	Peak
3	2484.560	27.30	5.92	35.70	52.48	50.00	74.00	24.00	Peak
4	2500.000	27.40	5.94	35.70	48.60	46.24	74.00	27.76	Peak

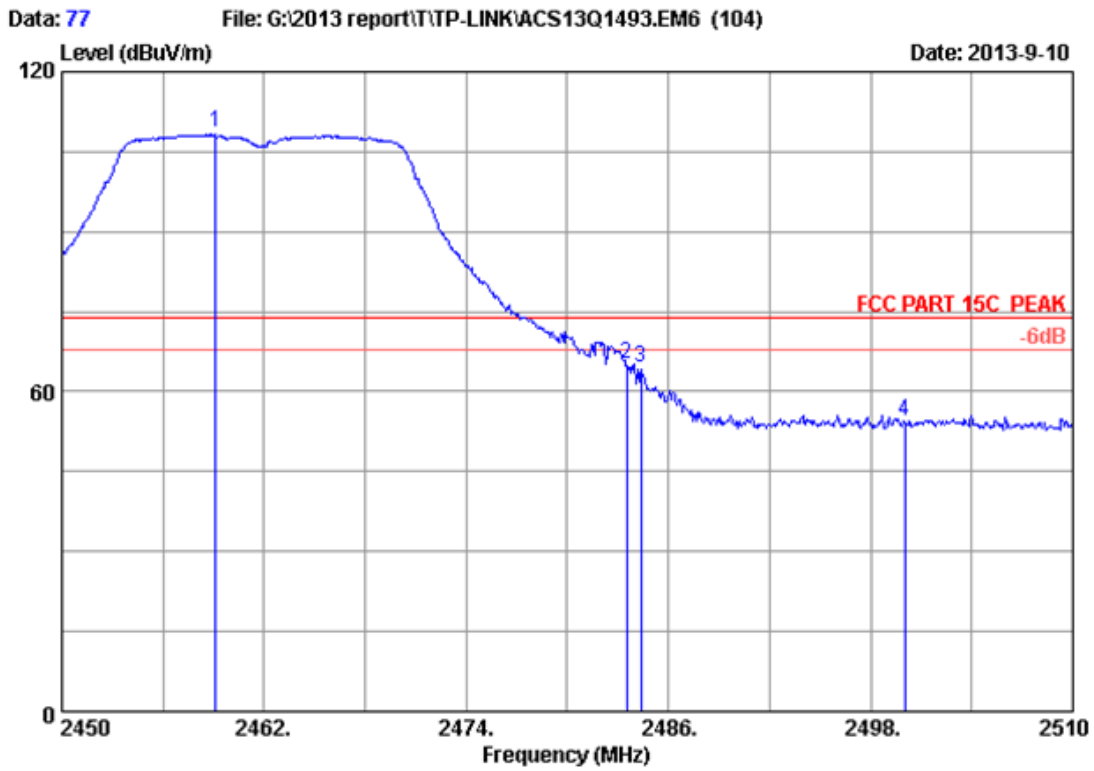
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 76
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.630	27.19	5.90	35.70	86.48	83.87	54.00	-29.87	Average
2	2483.500	27.29	5.92	35.70	38.33	35.84	54.00	18.16	Average
3	2500.000	27.40	5.94	35.70	36.99	34.63	54.00	19.37	Average

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



Site no. : 3m Chamber Data no. : 77
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
TL-WR842ND

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.130	27.14	5.88	35.70	111.34	108.66	74.00	-34.66	Peak
2	2483.500	27.29	5.92	35.70	67.57	65.08	74.00	8.92	Peak
3	2484.340	27.30	5.92	35.70	67.12	64.64	74.00	9.36	Peak
4	2500.000	27.40	5.94	35.70	56.91	54.55	74.00	19.45	Peak

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