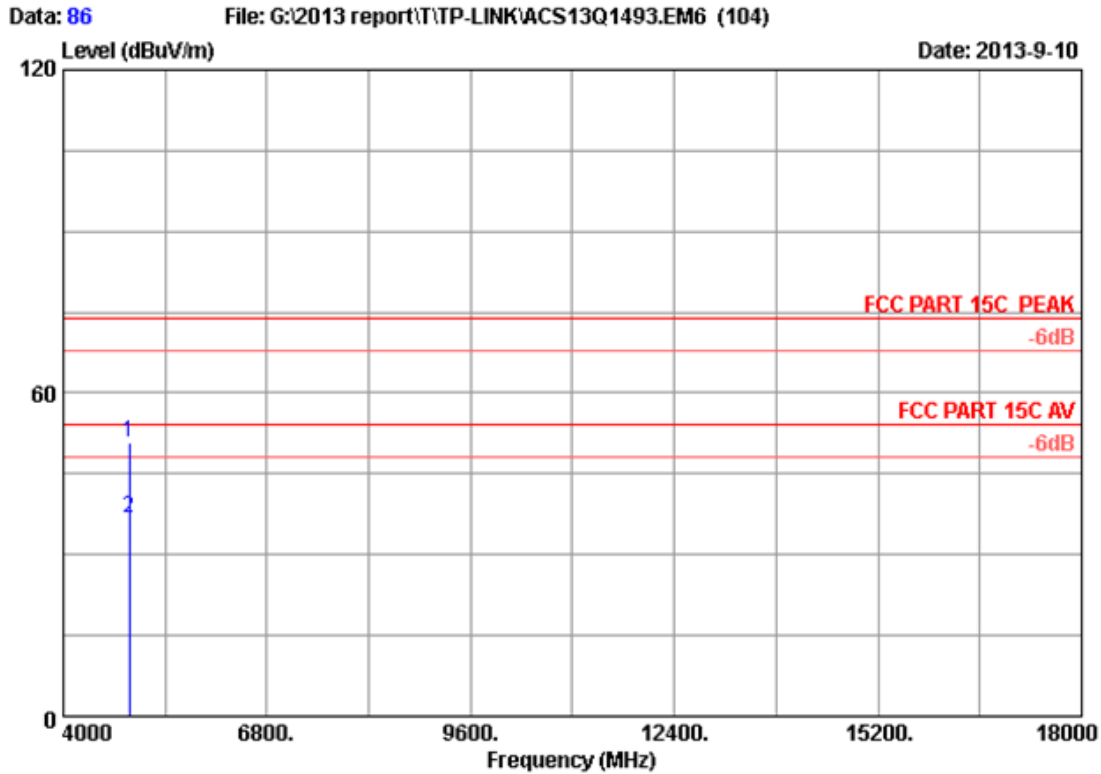


Site no. : 3m Chamber Data no. : 85
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Leo-Li
EUT : 300Mbps Multi-Function Wireless N Router
Power supply : DC 12V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
TL-WR842ND

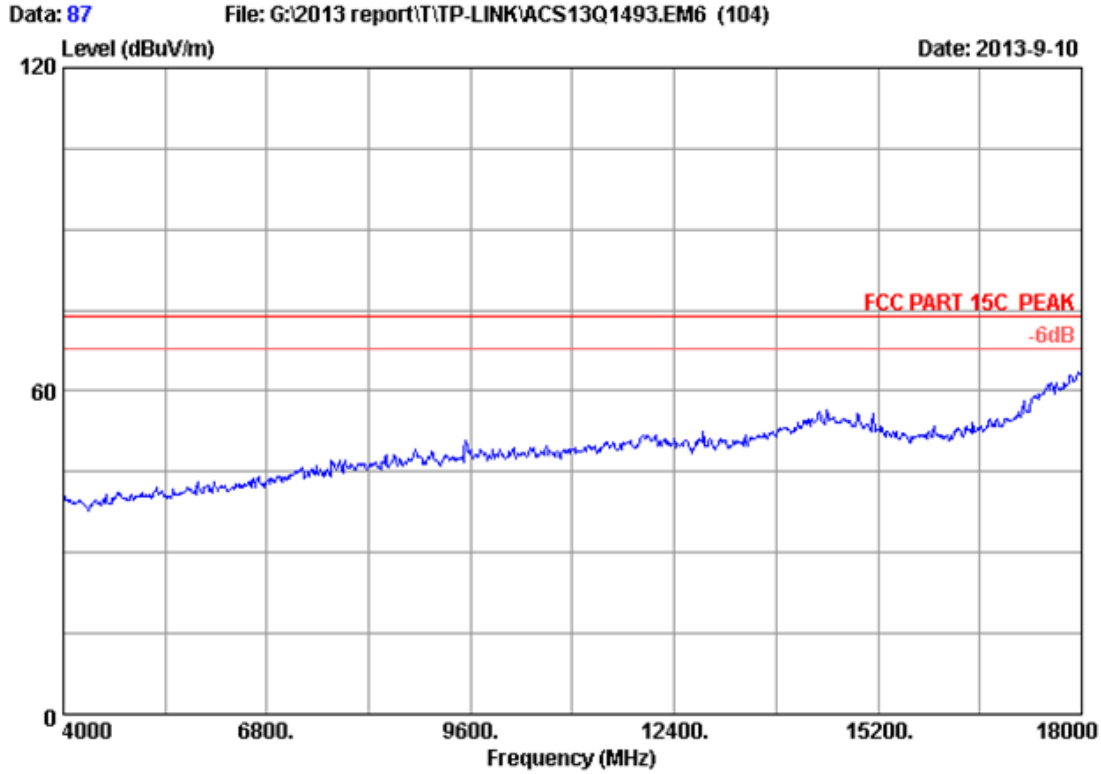


Site no. : 3m Chamber Data no. : 86
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2452MHz Tx Mode
 TL-WR842ND

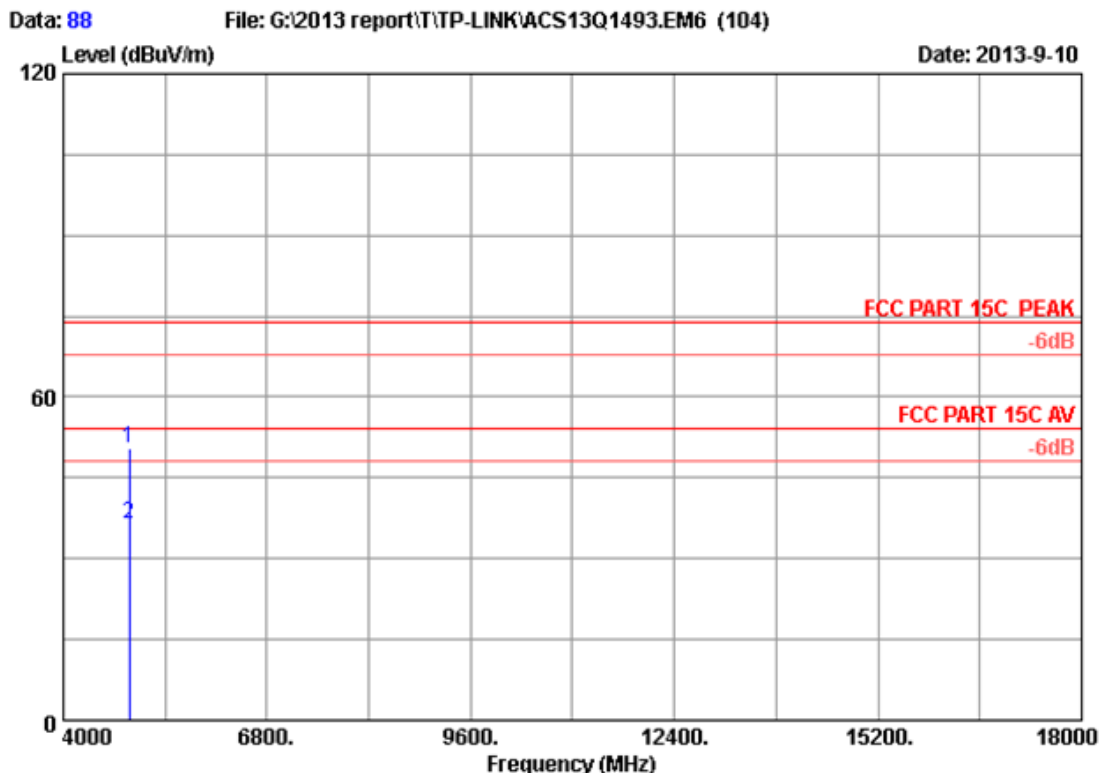
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	32.69	8.66	35.70	45.16	50.81	74.00	23.19	Peak
2	4904.000	32.69	8.66	35.70	31.26	36.91	54.00	17.09	Average

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. : 87
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 : IEEE802.11nHT40 2452MHz Tx Mode
TL-WR842ND

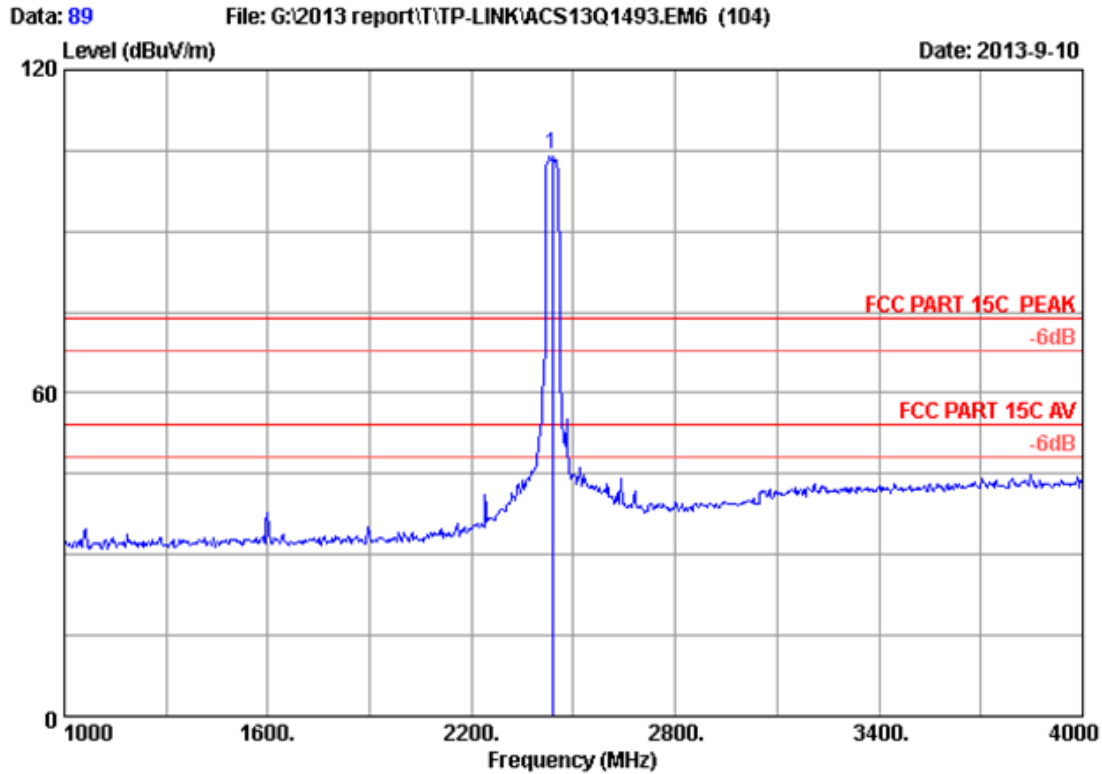


Site no. : 3m Chamber Data no. : 88
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2452MHz 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	4904.000	32.69	8.66	35.70	44.83	50.48	74.00	23.52	Peak
2	4904.000	32.69	8.66	35.70	30.67	36.32	54.00	17.68	Average

Remarks:

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

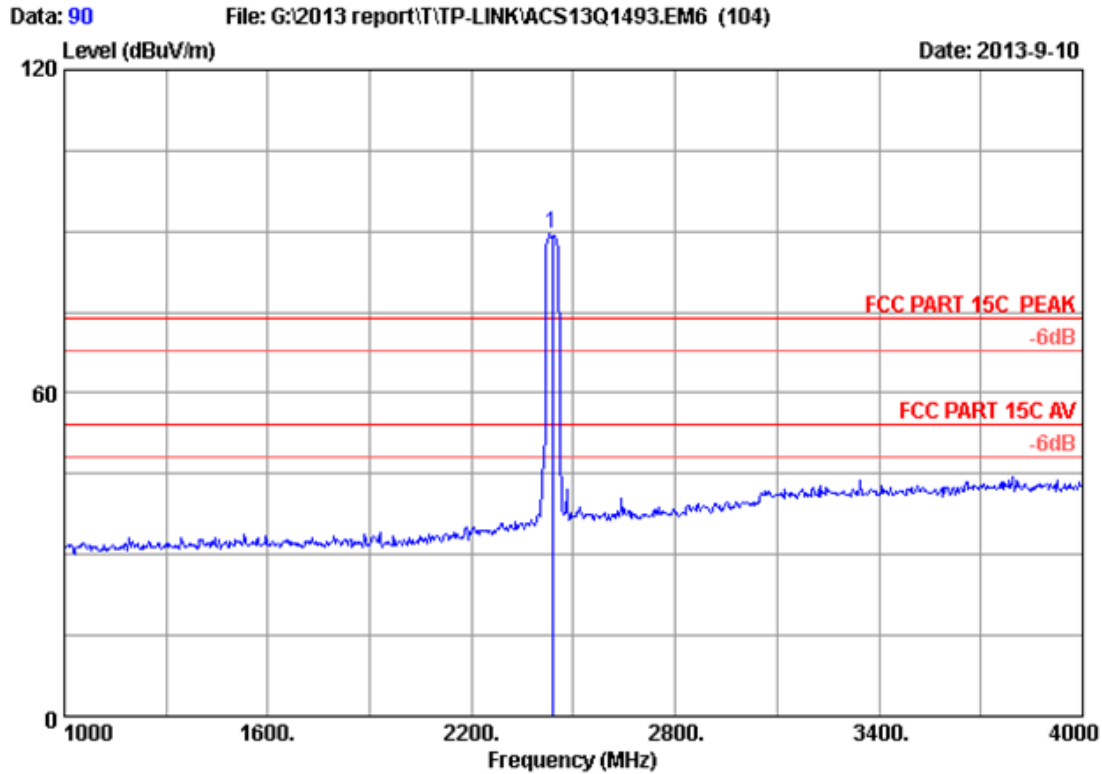


Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2437MHz 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	2437.000	27.00	5.85	35.70	107.09	104.24	74.00	-30.24	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.

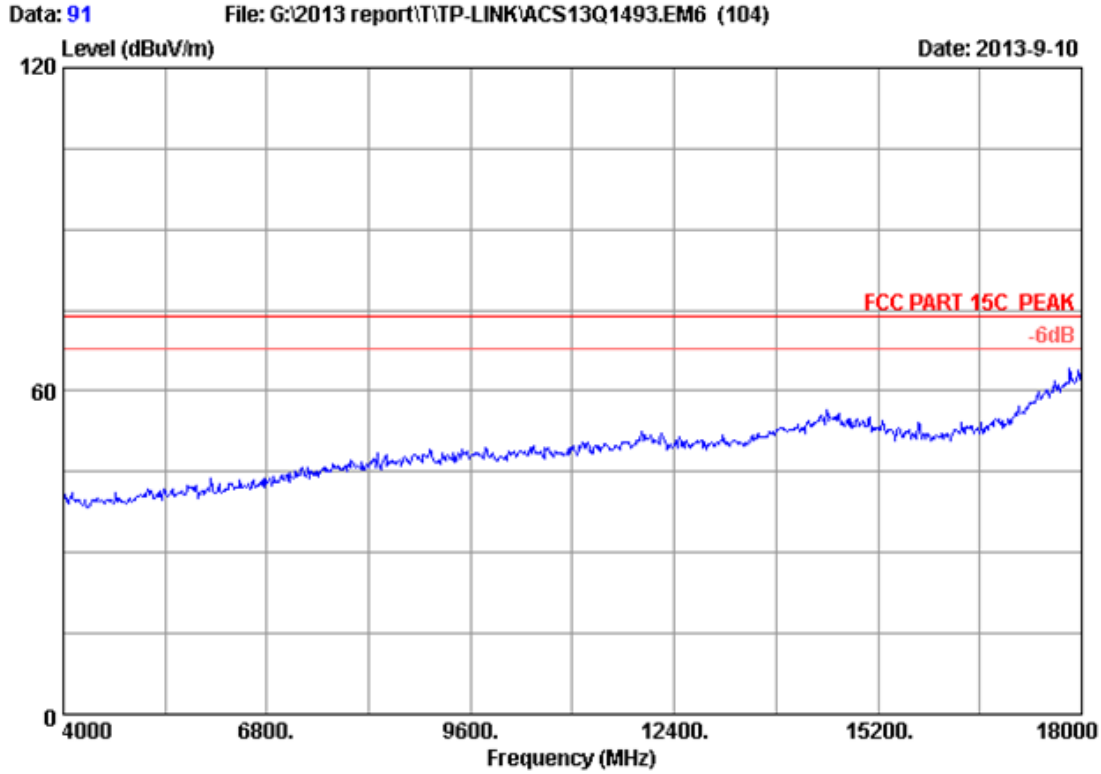


Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2437MHz Tx Mode
 TL-WR842ND

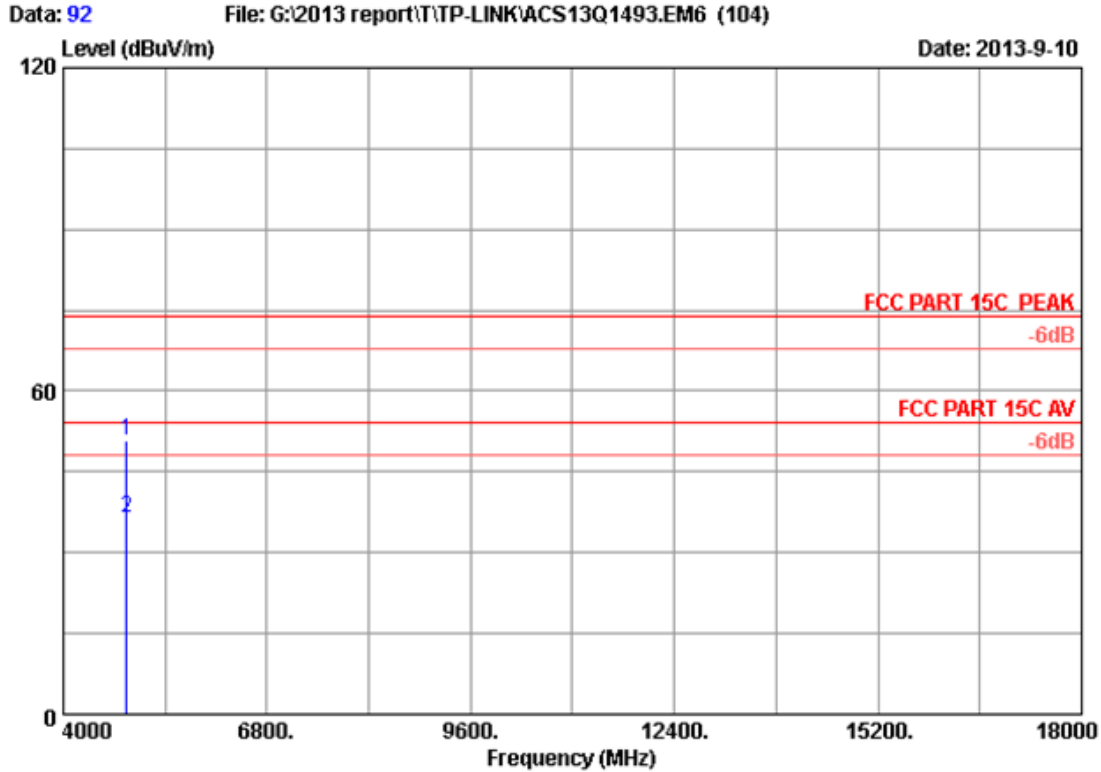
	Freq.	Ant.	Cable	Amp.	Emission				Remark
	(MHz)	Factor	loss	Factor	Reading	Level	Limits	Margin	
		(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.000	27.00	5.85	35.70	92.54	89.69	74.00	-15.69	Peak

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. : 91
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 : IEEE802.11nHT40 2437MHz Tx Mode
TL-WR842ND

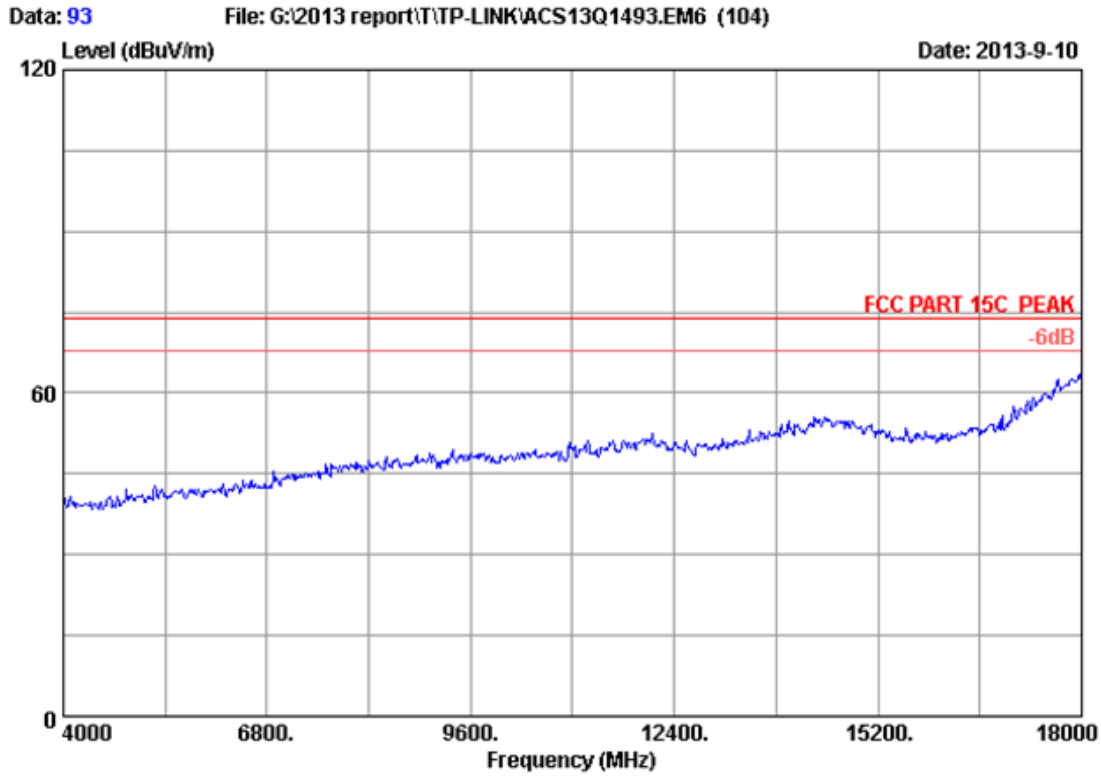


Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2437MHz Tx Mode
 TL-WR842ND

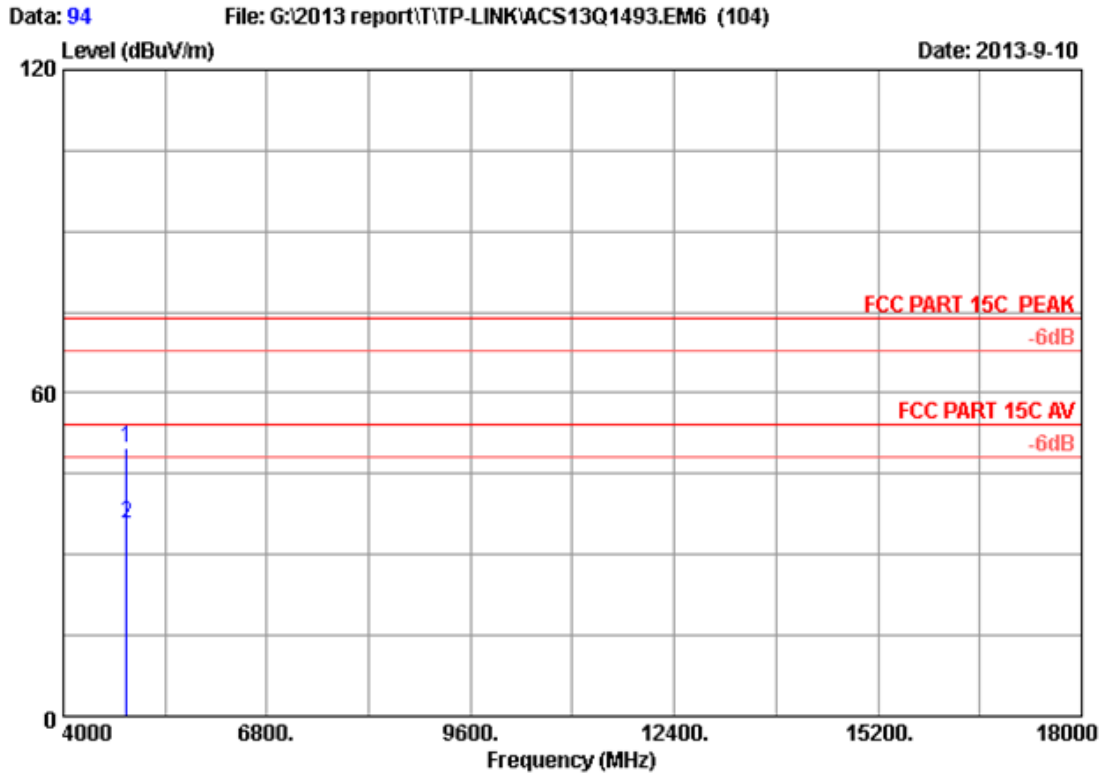
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	32.62	8.63	35.70	45.14	50.69	74.00	23.31	Peak
2	4874.000	32.62	8.63	35.70	31.00	36.55	54.00	17.45	Average

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. : 93
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 : IEEE802.11nHT40 2437MHz Tx Mode
TL-WR842ND

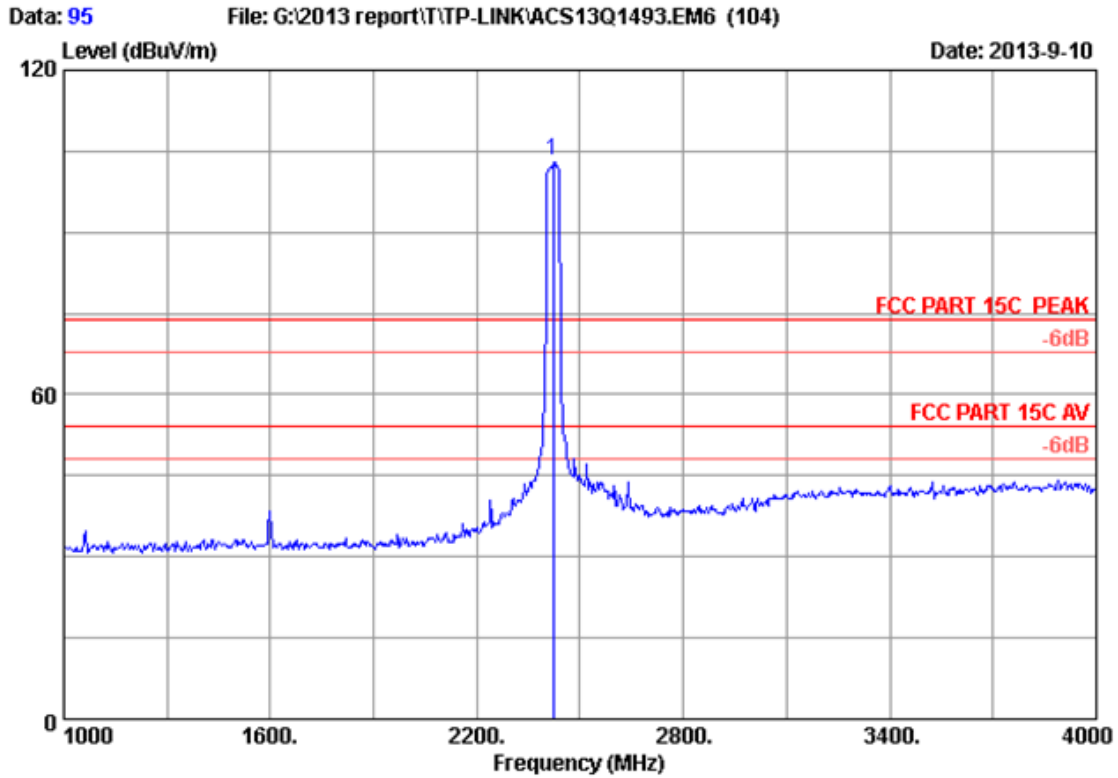


Site no. : 3m Chamber Data no. : 94
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2437MHz 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	4874.000	32.62	8.63	35.70	44.32	49.87	74.00	24.13	Peak
2	4874.000	32.62	8.63	35.70	30.14	35.69	54.00	18.31	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.

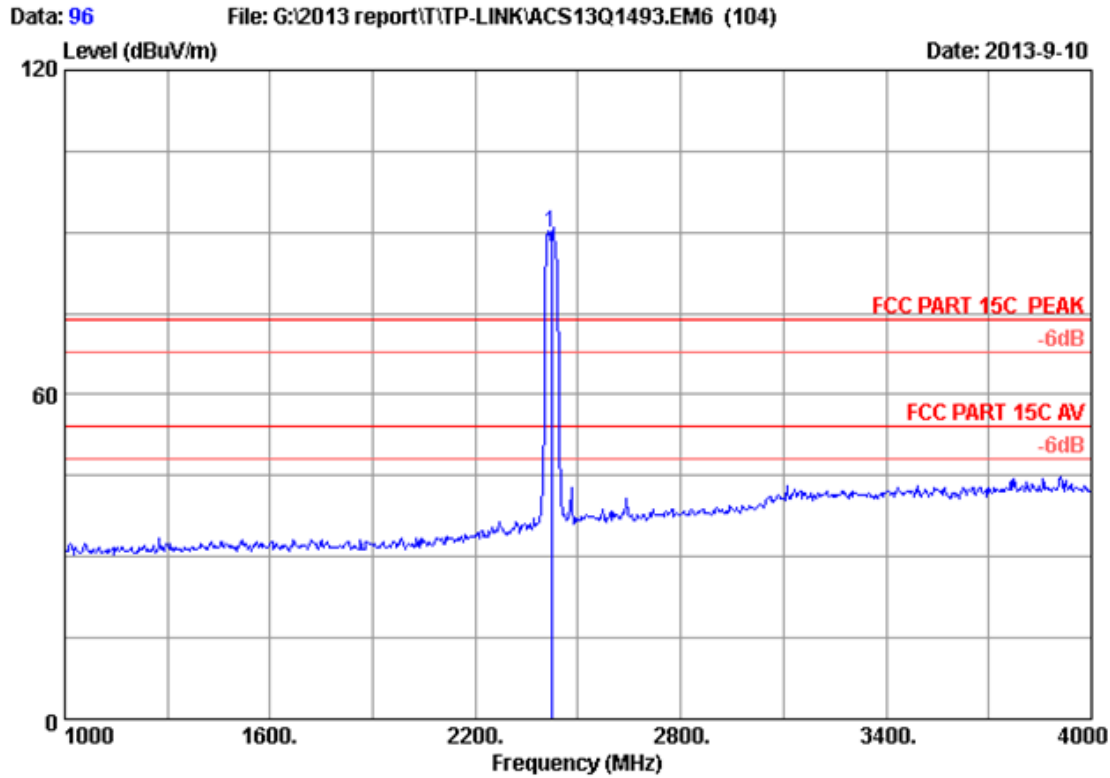


Site no. : 3m Chamber Data no. : 95
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 TL-WR842ND

	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	26.90	5.83	35.70	106.13	103.16	74.00	-29.16	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.

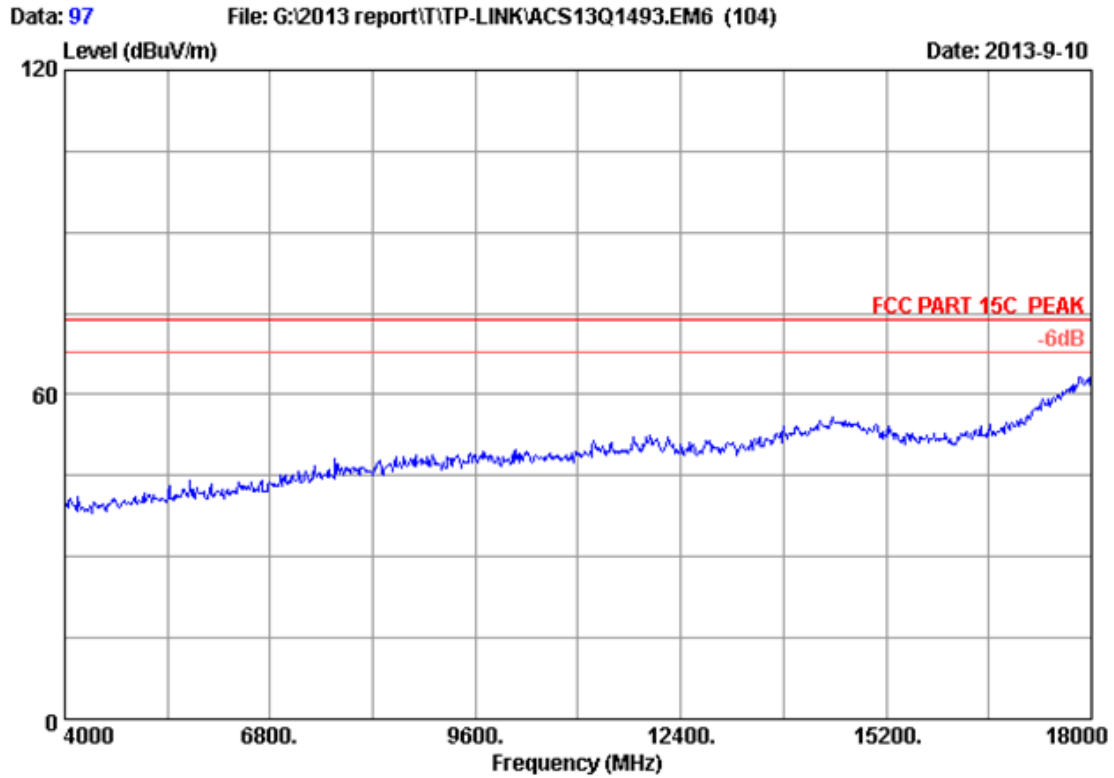


Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 TL-WR842ND

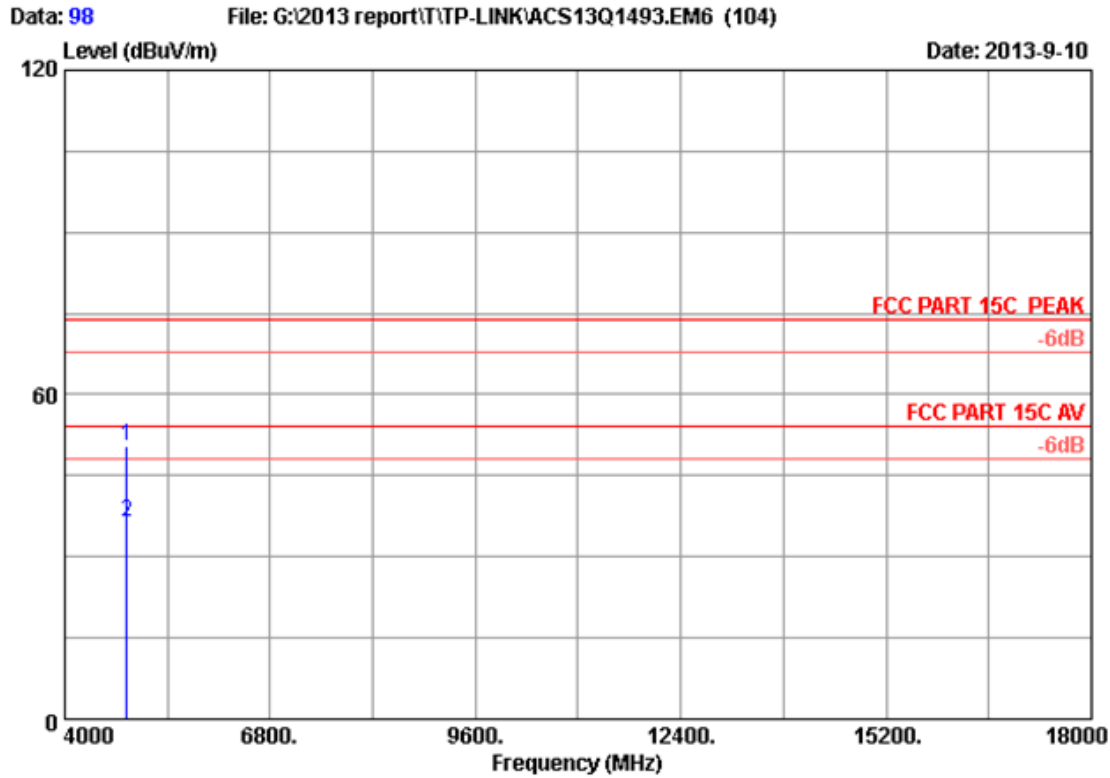
	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	26.90	5.83	35.70	92.81	89.84	74.00	-15.84	Peak

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. : 97
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 : IEEE802.11nHT40 2422MHz Tx Mode
TL-WR842ND

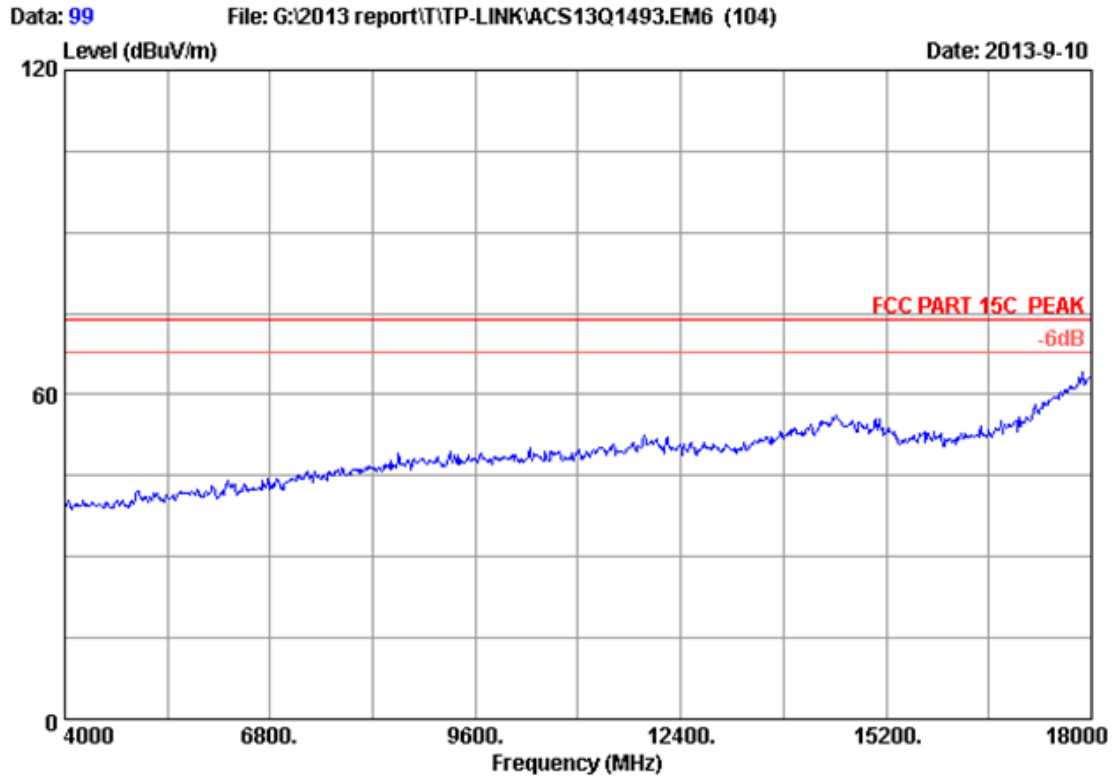


Site no. : 3m Chamber Data no. : 98
 Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Leo-Li
 EUT : 300Mbps Multi-Function Wireless N Router
 Power supply : DC 12V From Adapter input AC 120V/60Hz
 Test mode : IEEE802.11nHT40 2422MHz Tx Mode
 TL-WR842ND

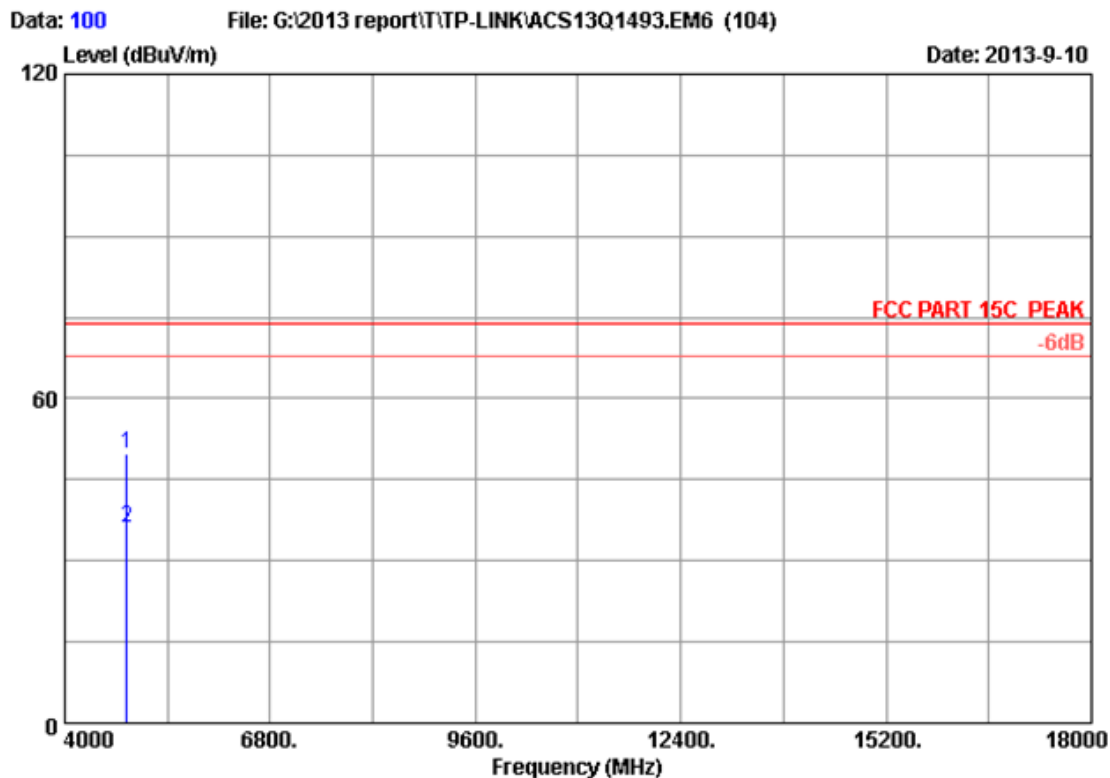
	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	32.56	8.60	35.70	45.17	50.63	74.00	23.37	Peak
2	4844.000	32.56	8.60	35.70	31.04	36.50	54.00	17.50	Average

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. : 99
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 : IEEE802.11nHT40 2422MHz Tx Mode
TL-WR842ND



Site no. : 3m Chamber Data no. : 100
 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 : IEEE802.11nHT40 2422MHz 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	4844.000	32.56	8.60	35.70	44.38	49.84	74.00	24.16	Peak
2	4844.000	32.56	8.60	35.70	30.51	35.97	54.00	18.03	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.

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9030A	MY51380221	Oct.31, 12	1Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,13	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,13	1Year

5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

5.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

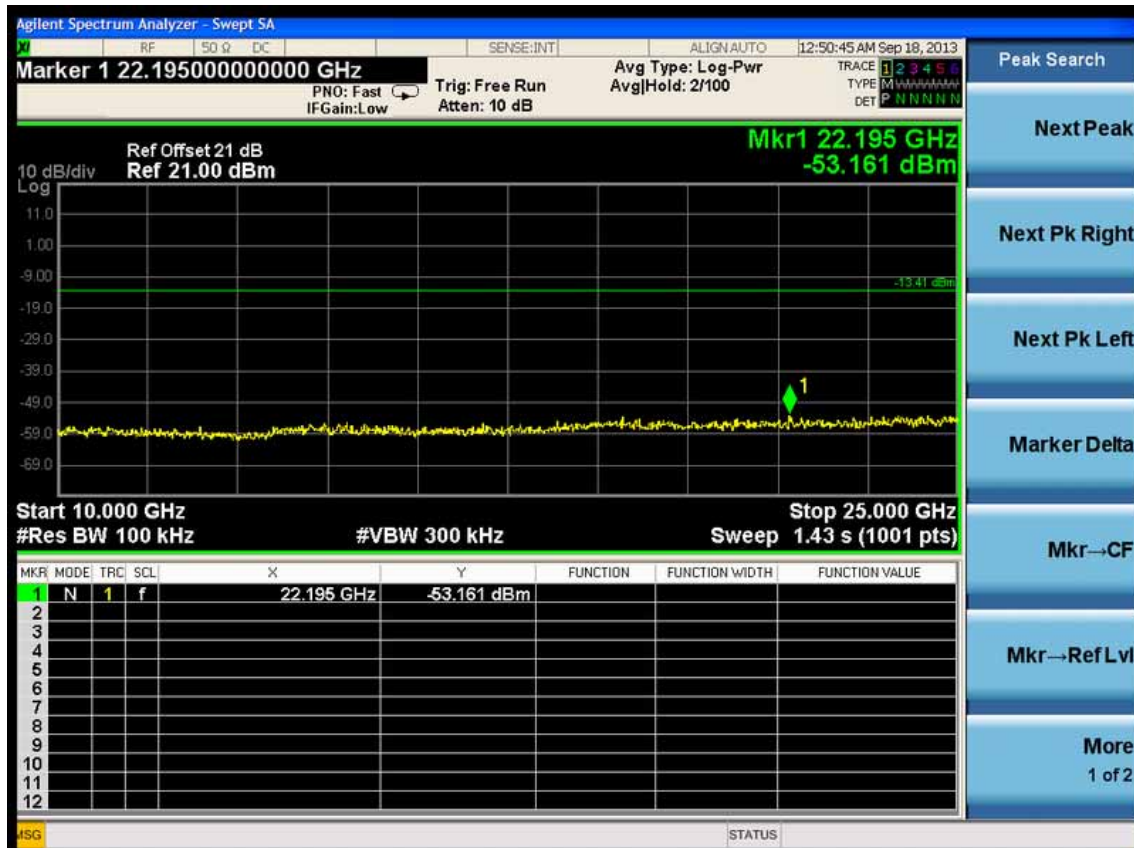
5.4. Test result

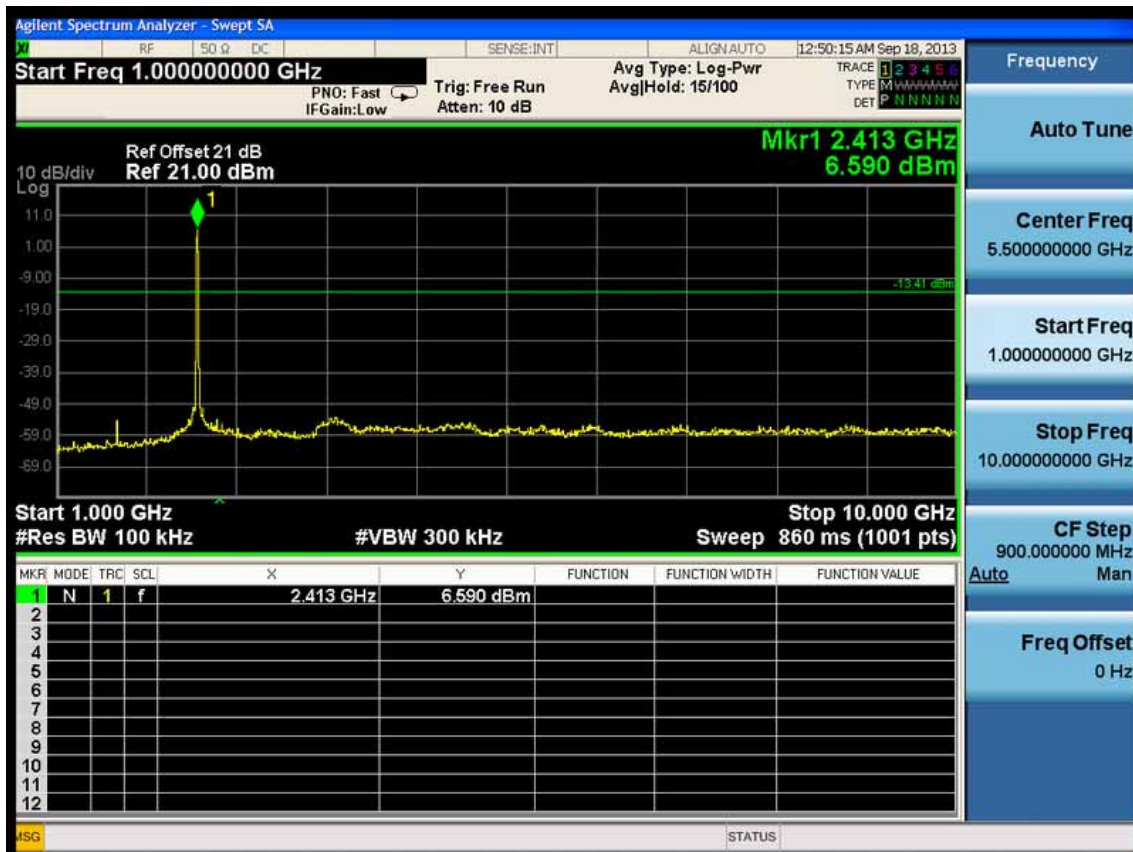
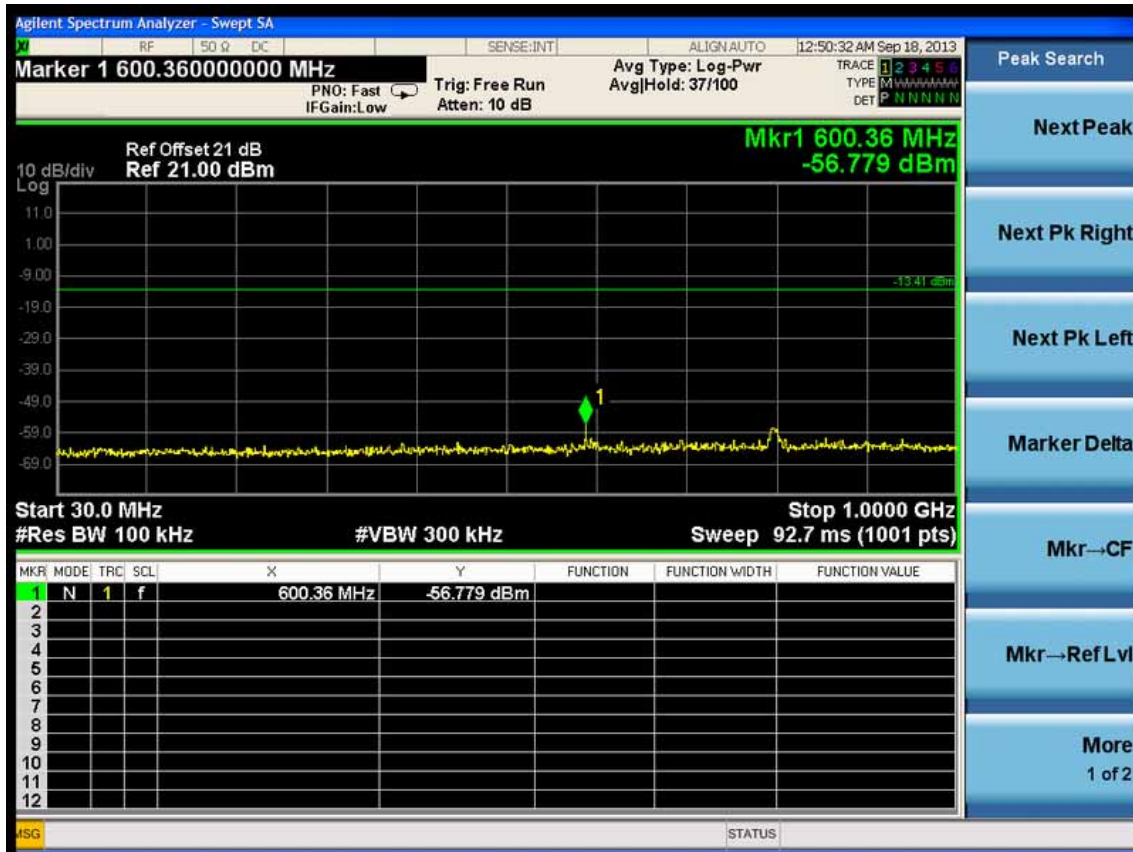
PASS (The testing data was attached in the next pages.)

ANT 0

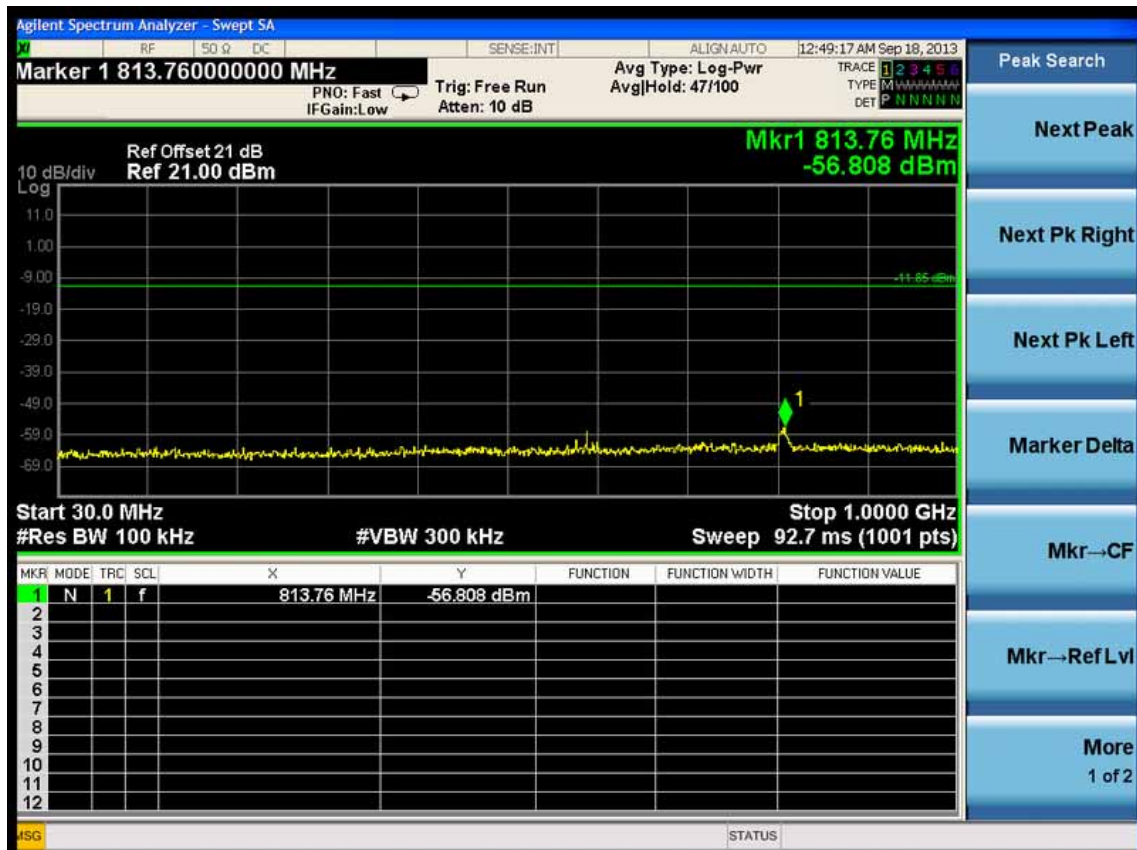
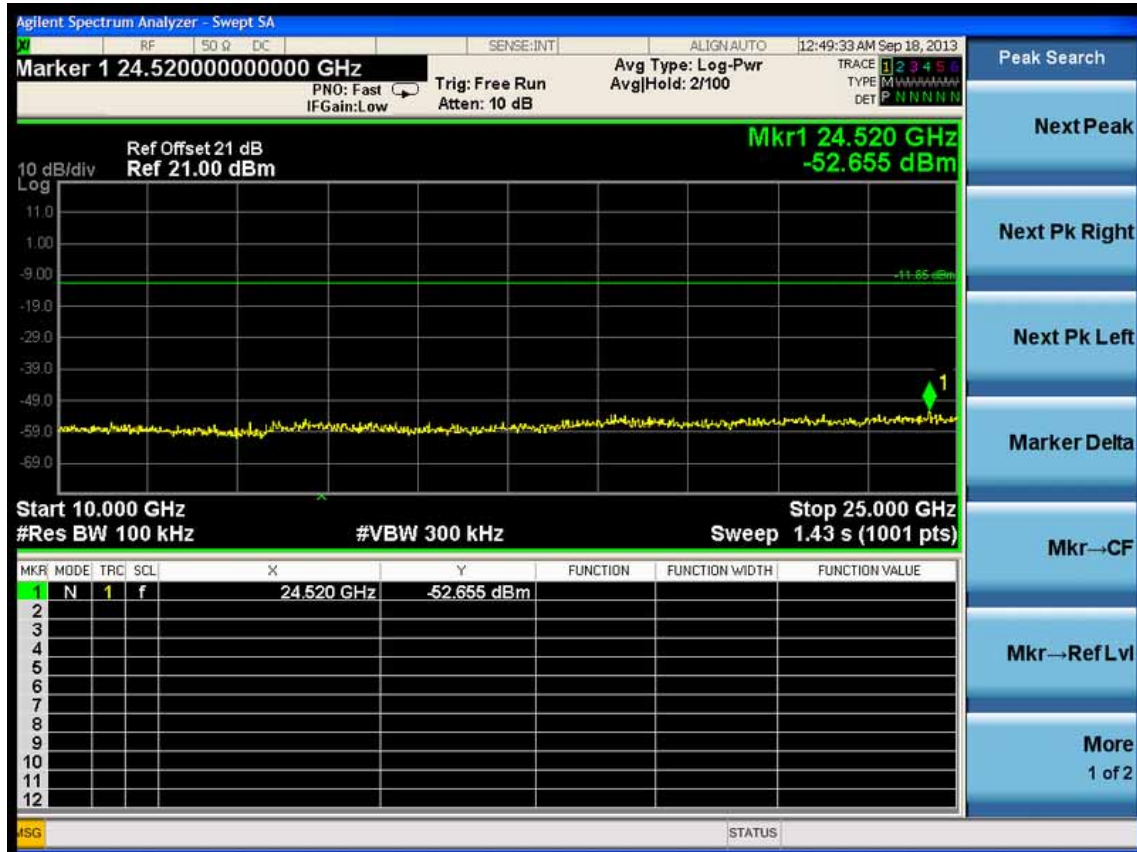
Test Mode: IEEE 802.11b TX

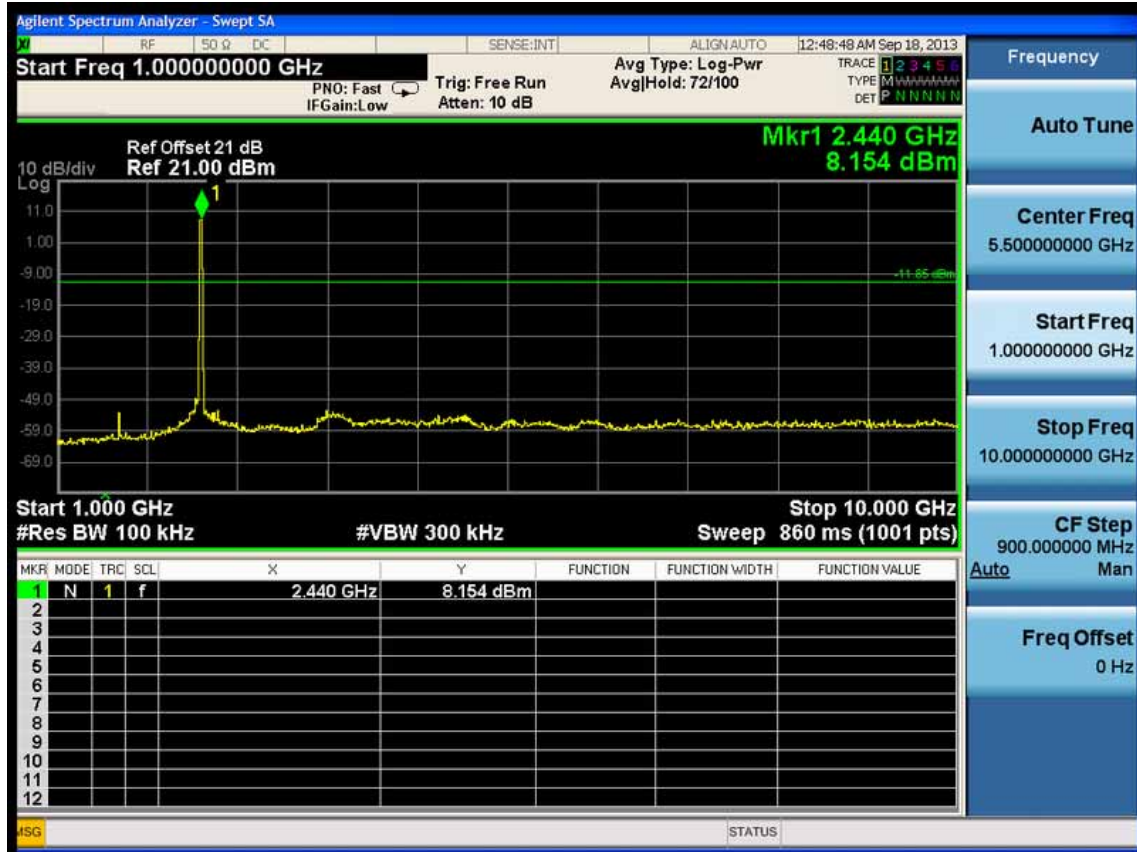
Test CH1: 2412MHz



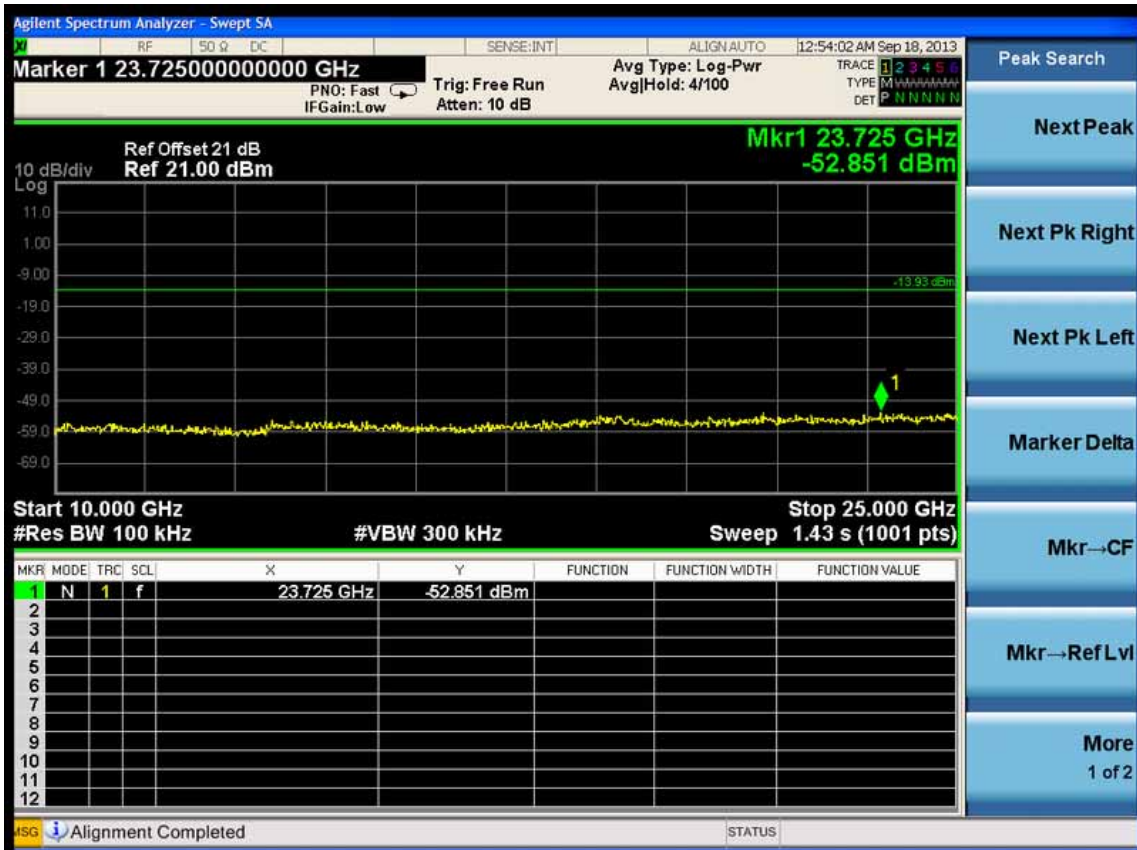


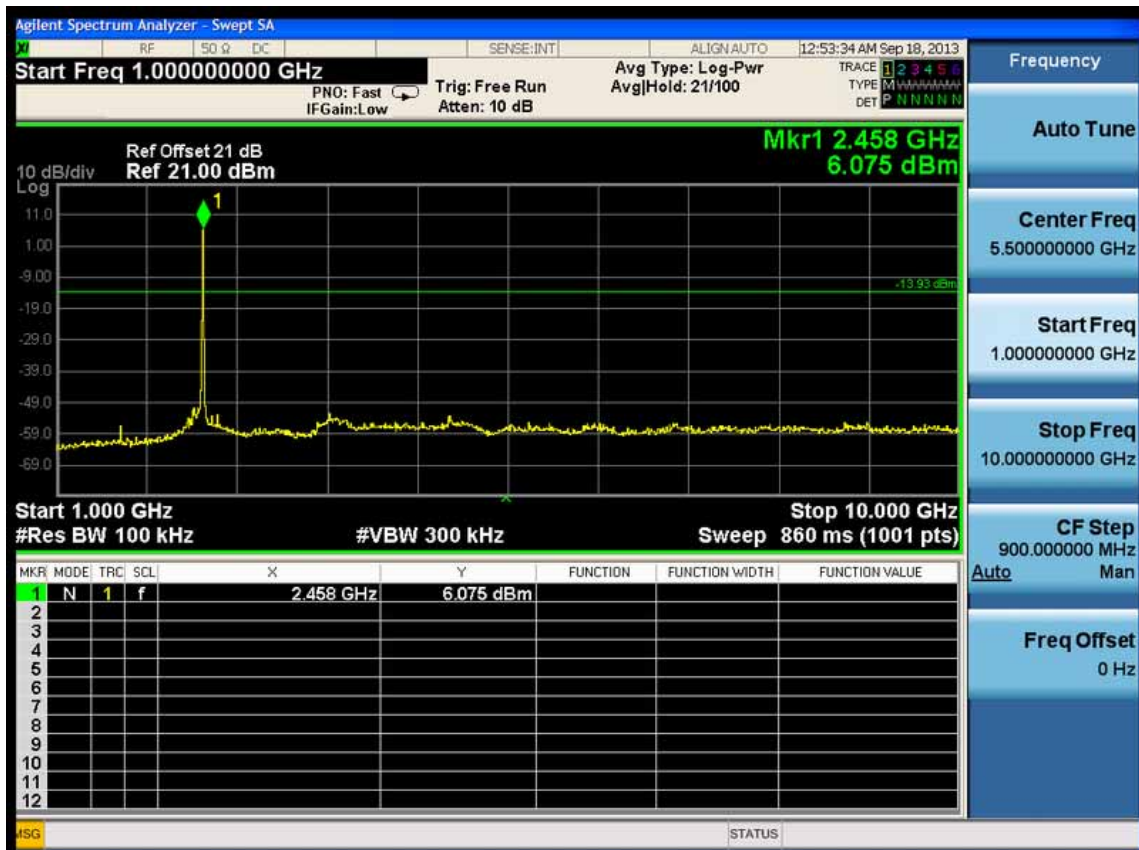
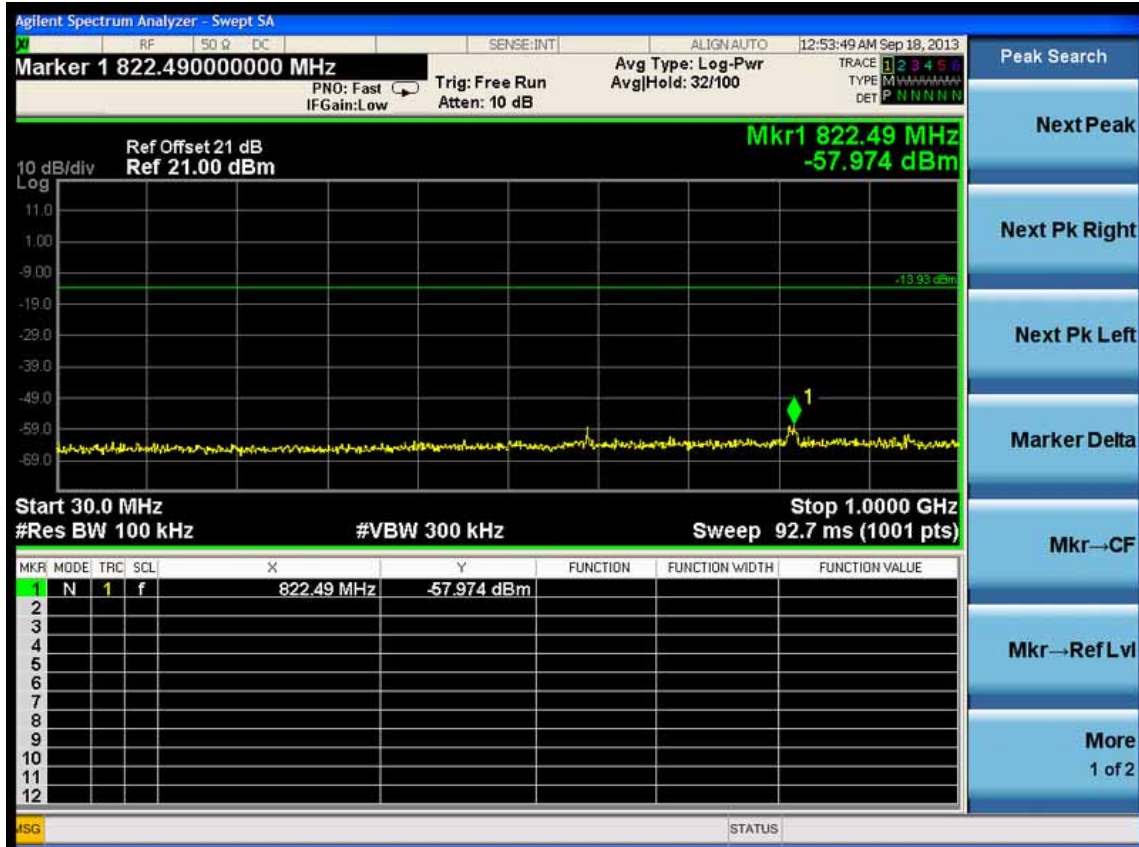
Test CH6: 2437MHz





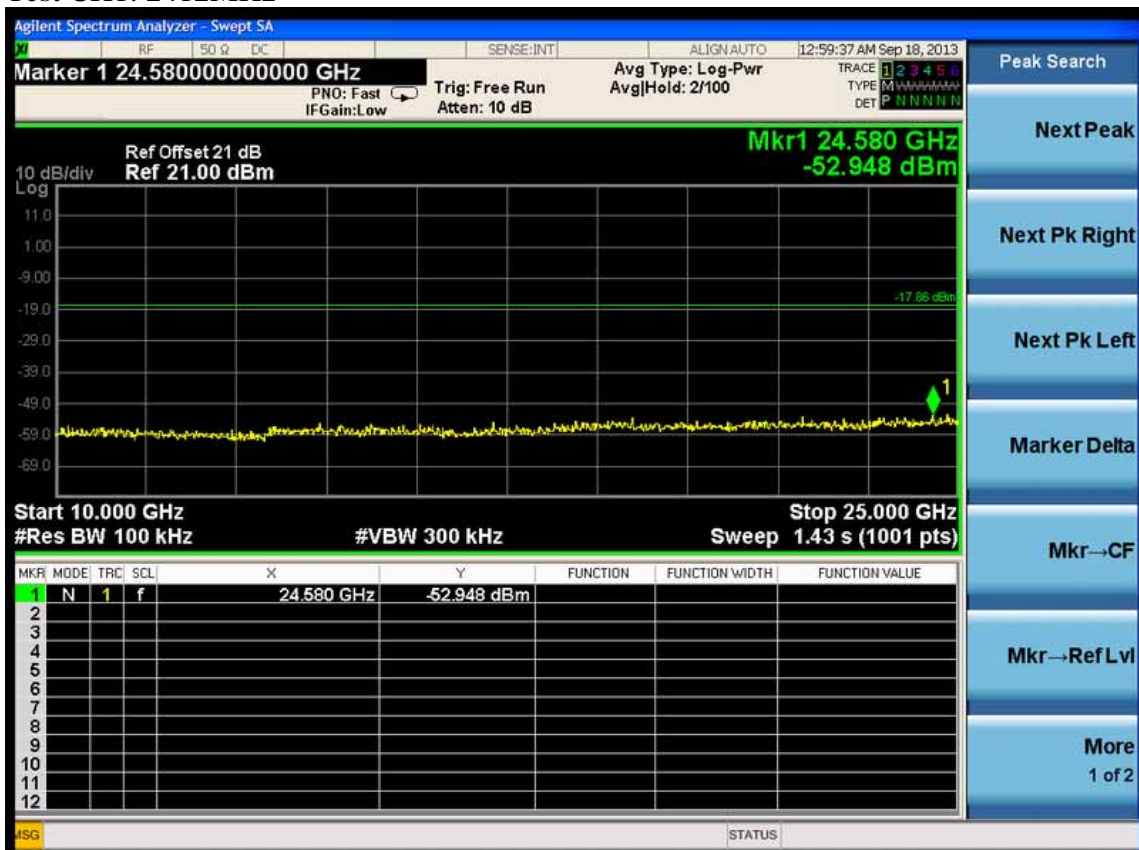
Test CH11: 2462MHz

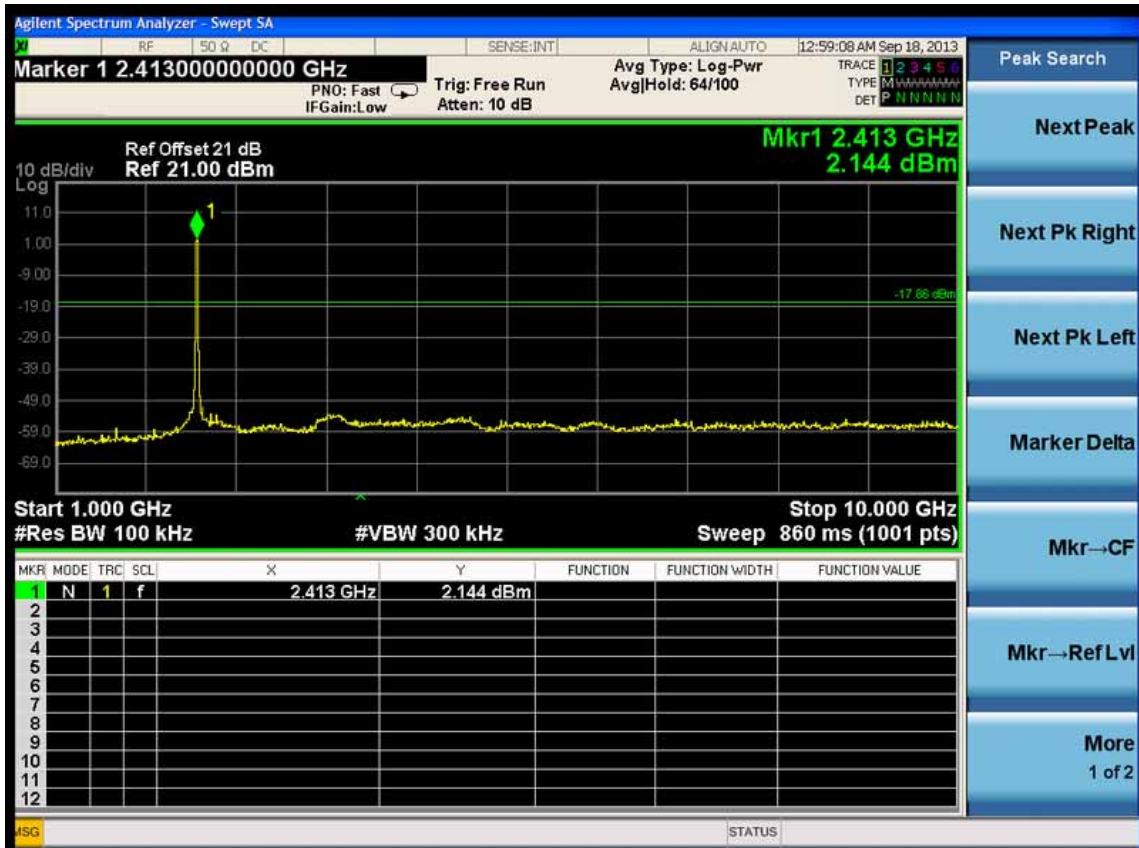
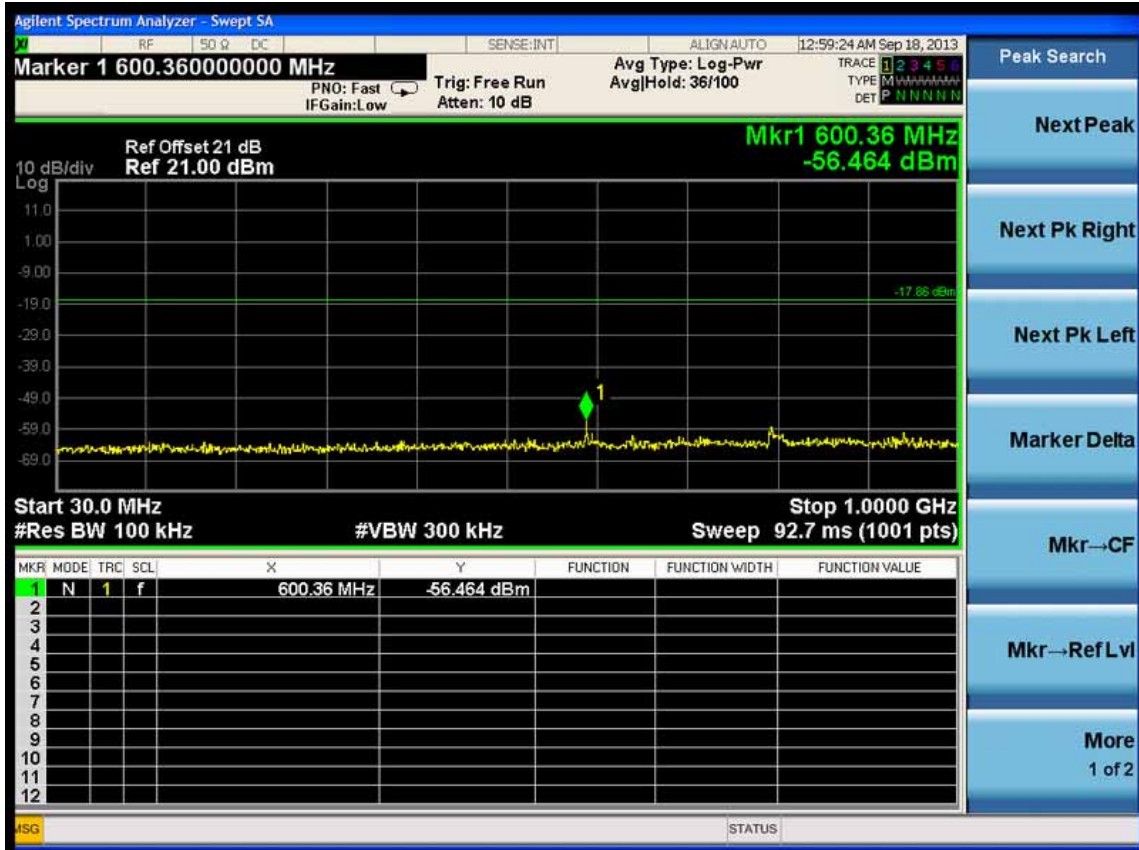






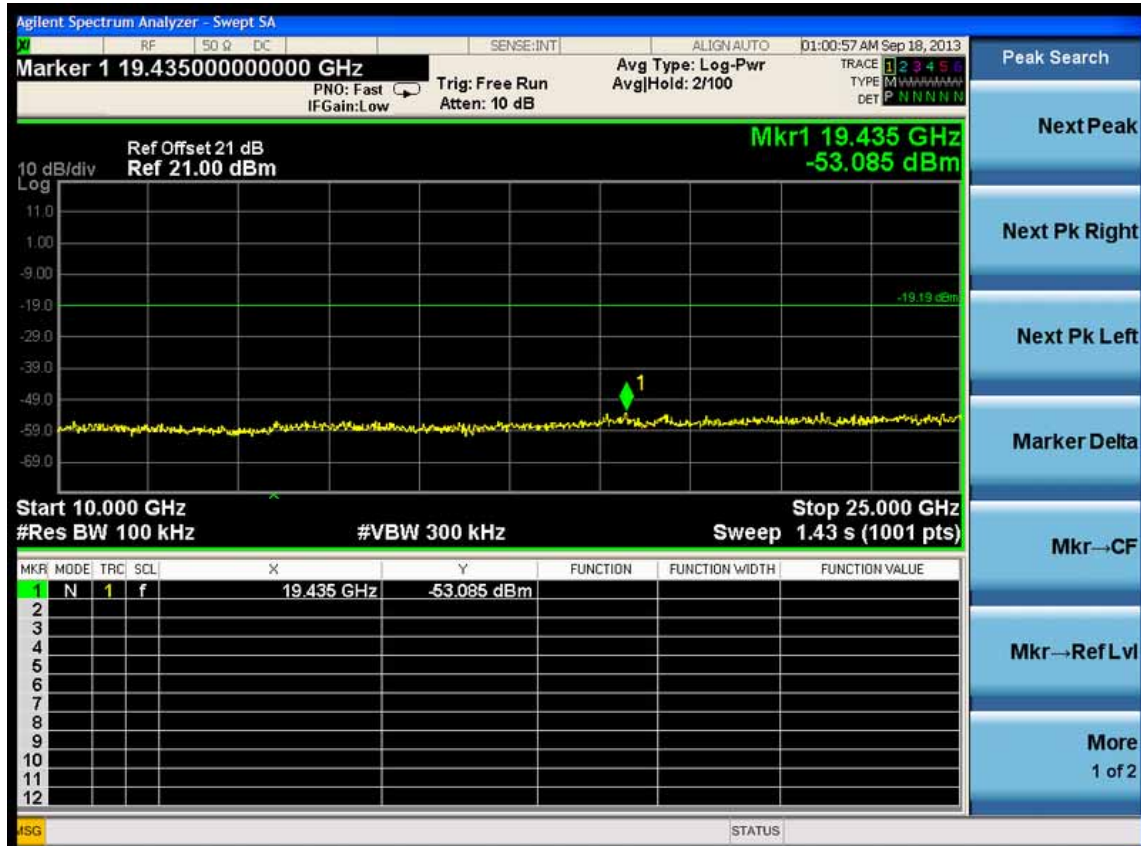
Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz

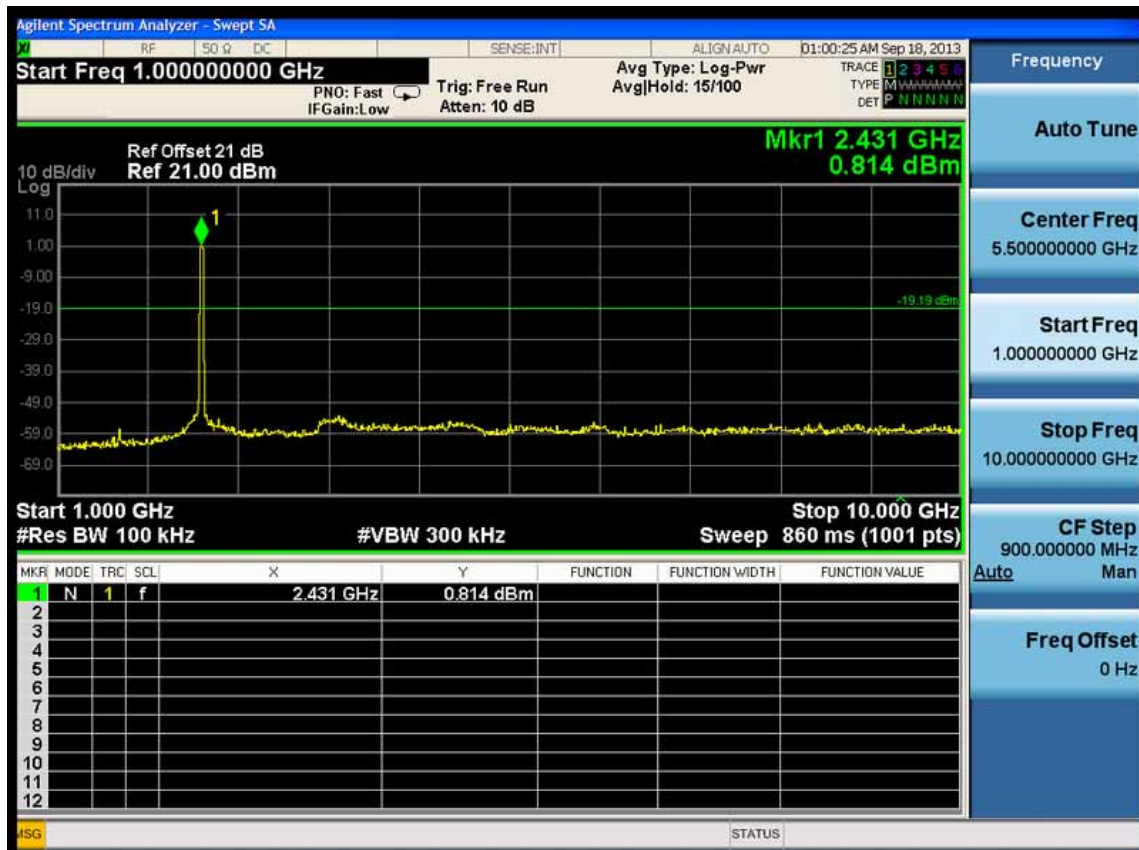
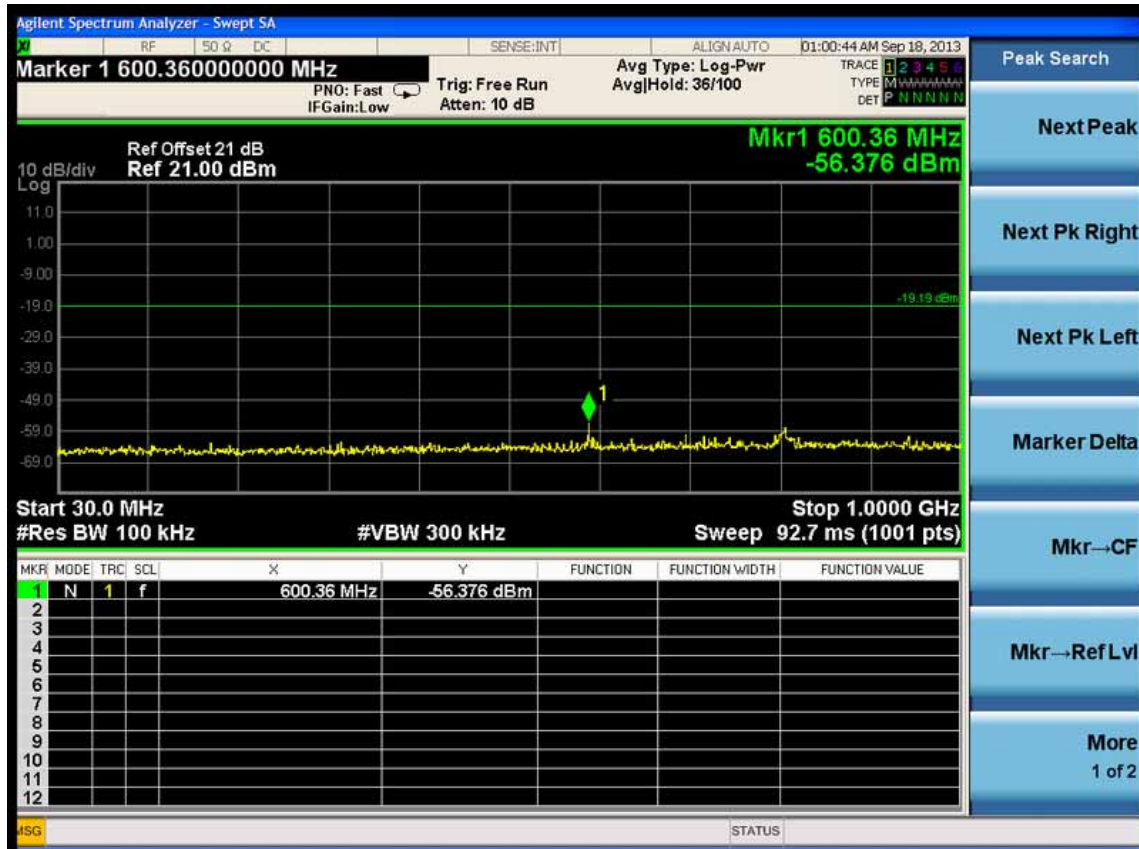




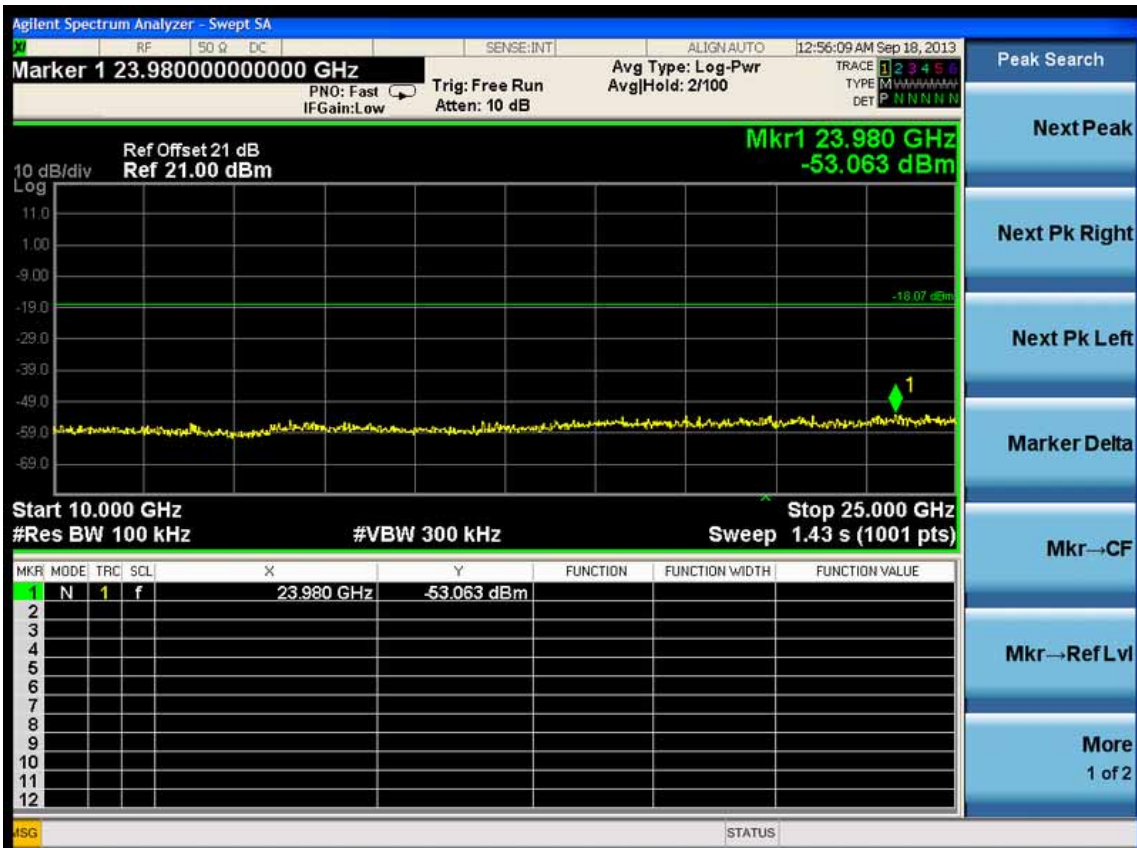


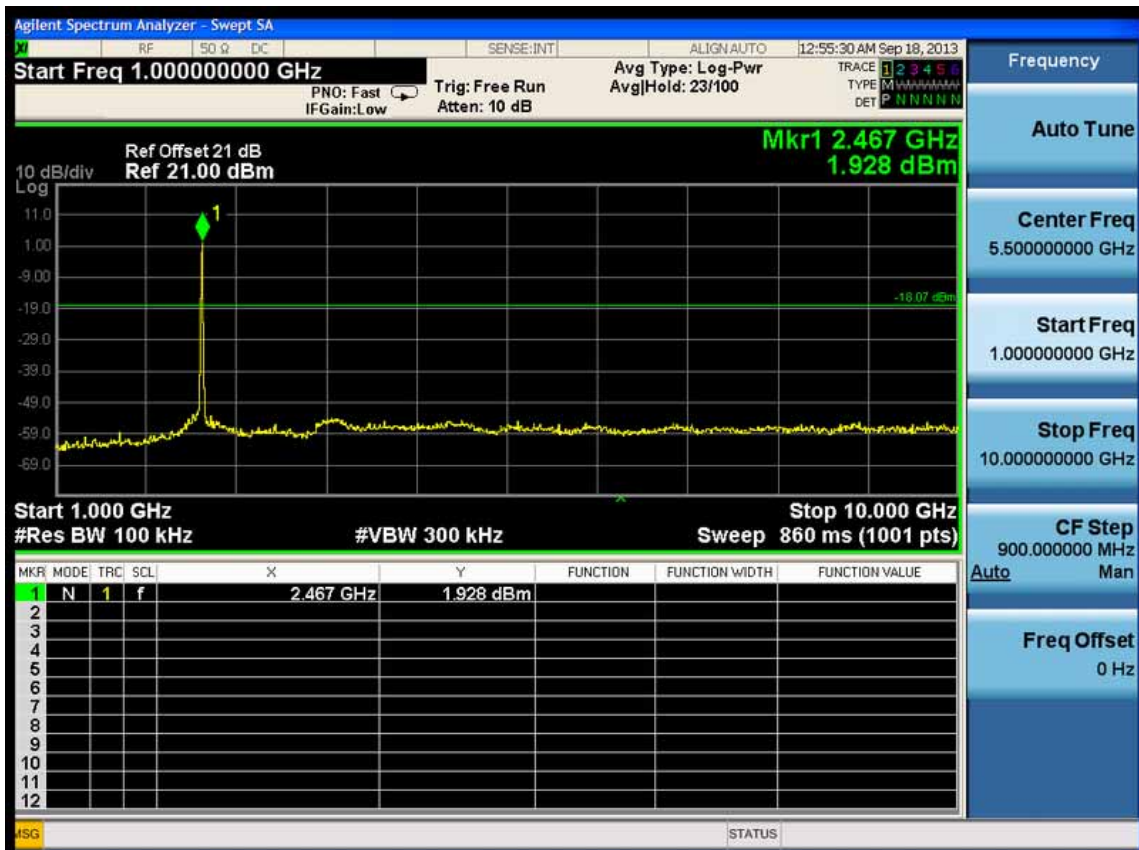
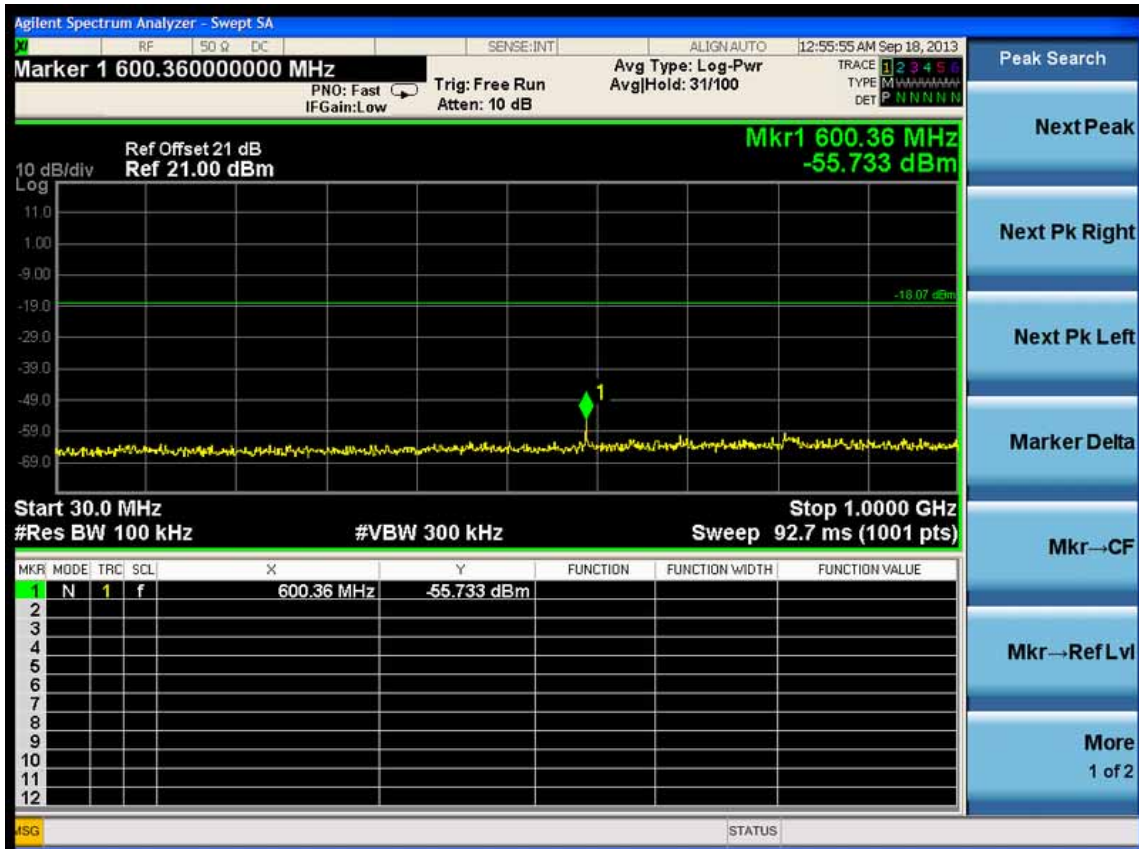
Test CH6: 2437MHz



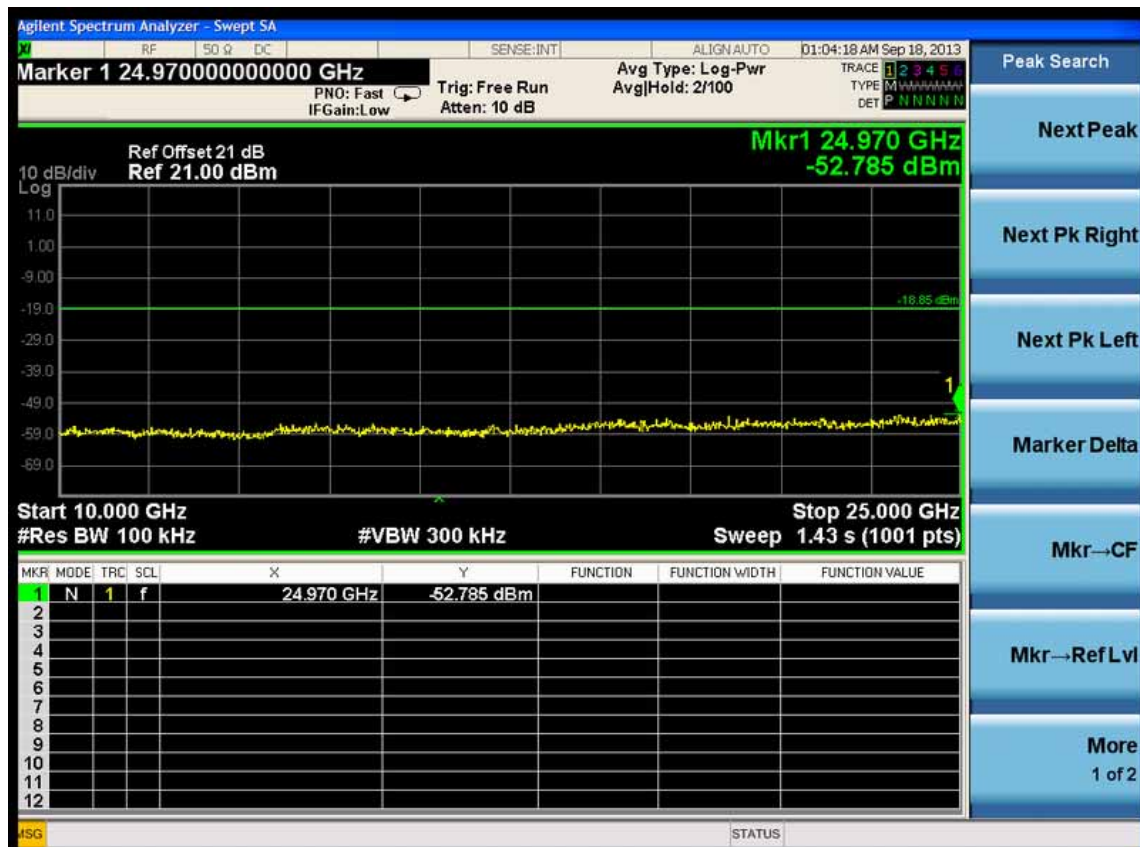


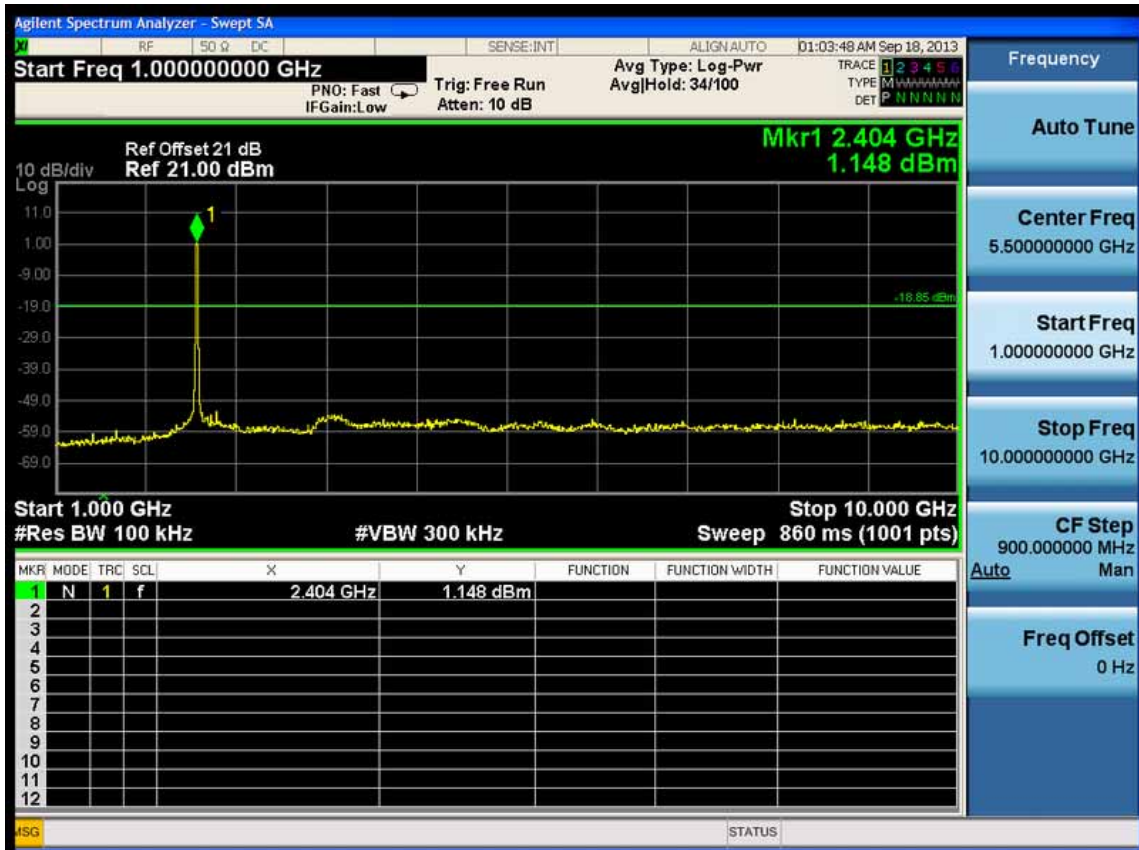
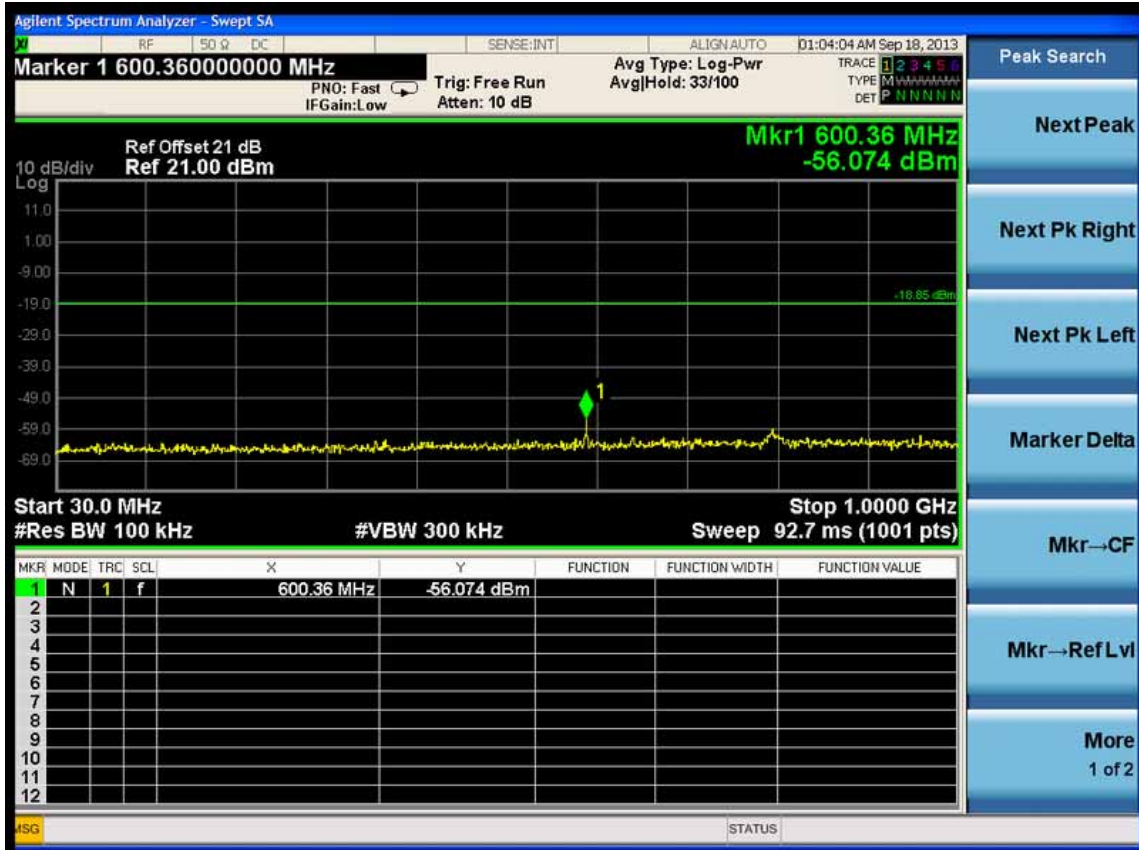
Test CH11: 2462MHz



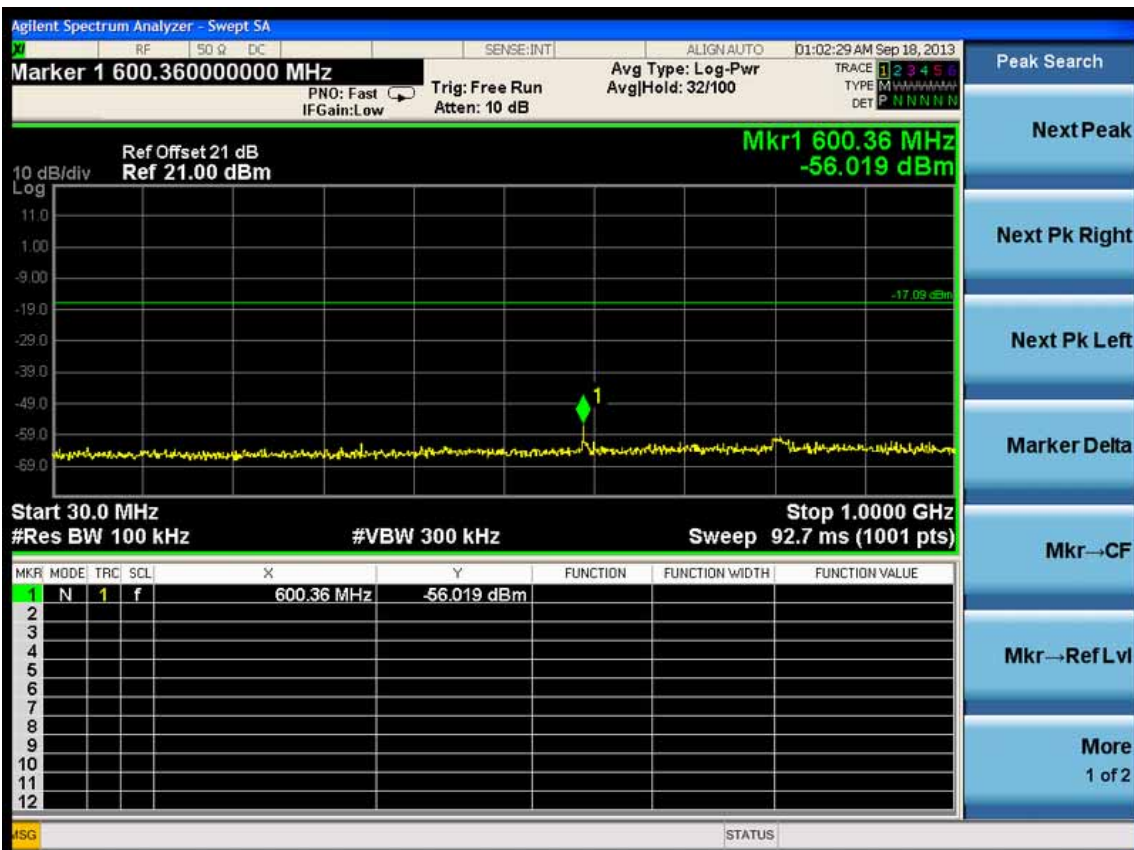
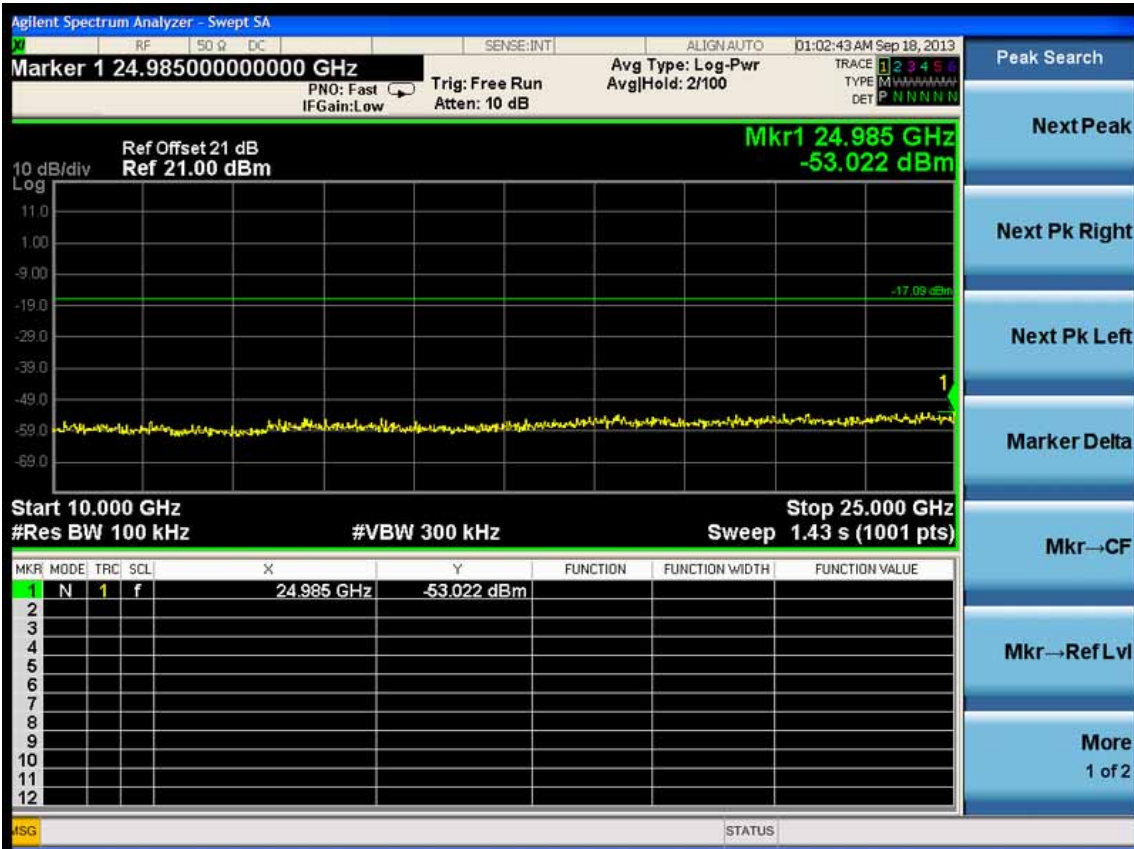


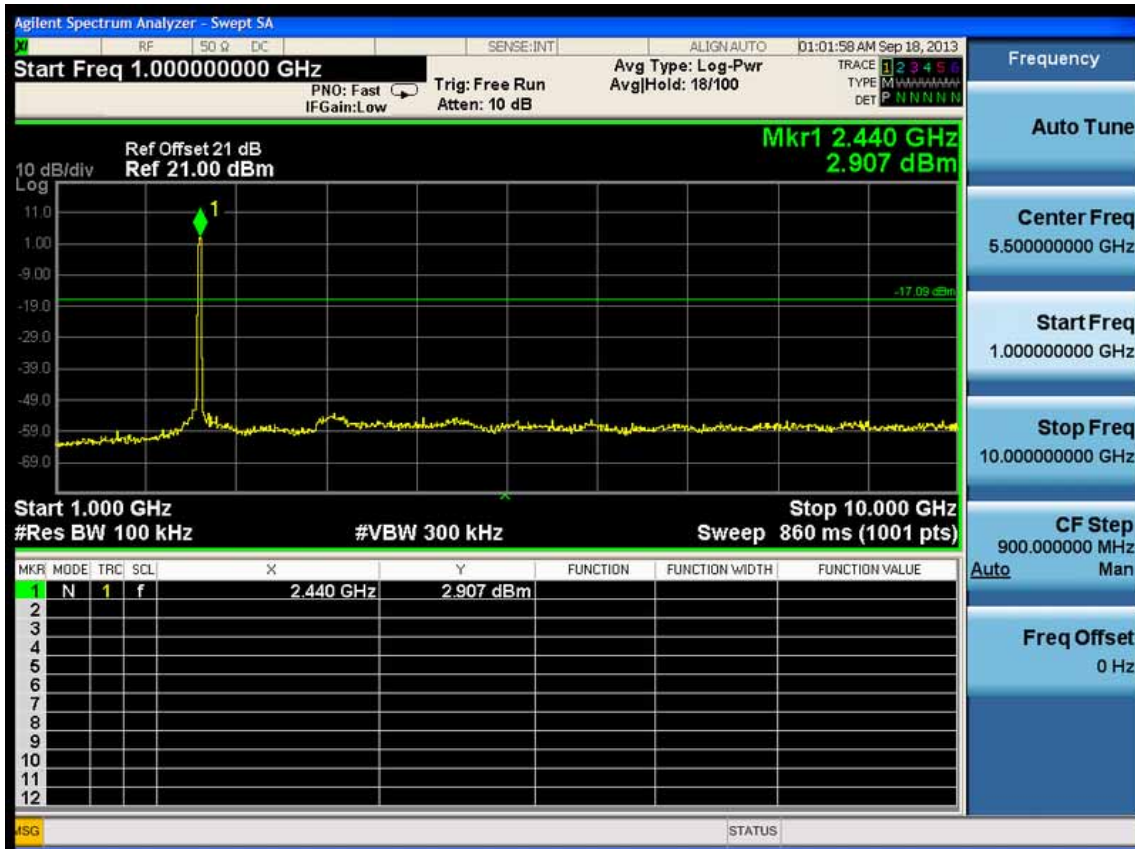
Test Mode: IEEE 802.11n HT20 TX
 Test CH1: 2412MHz



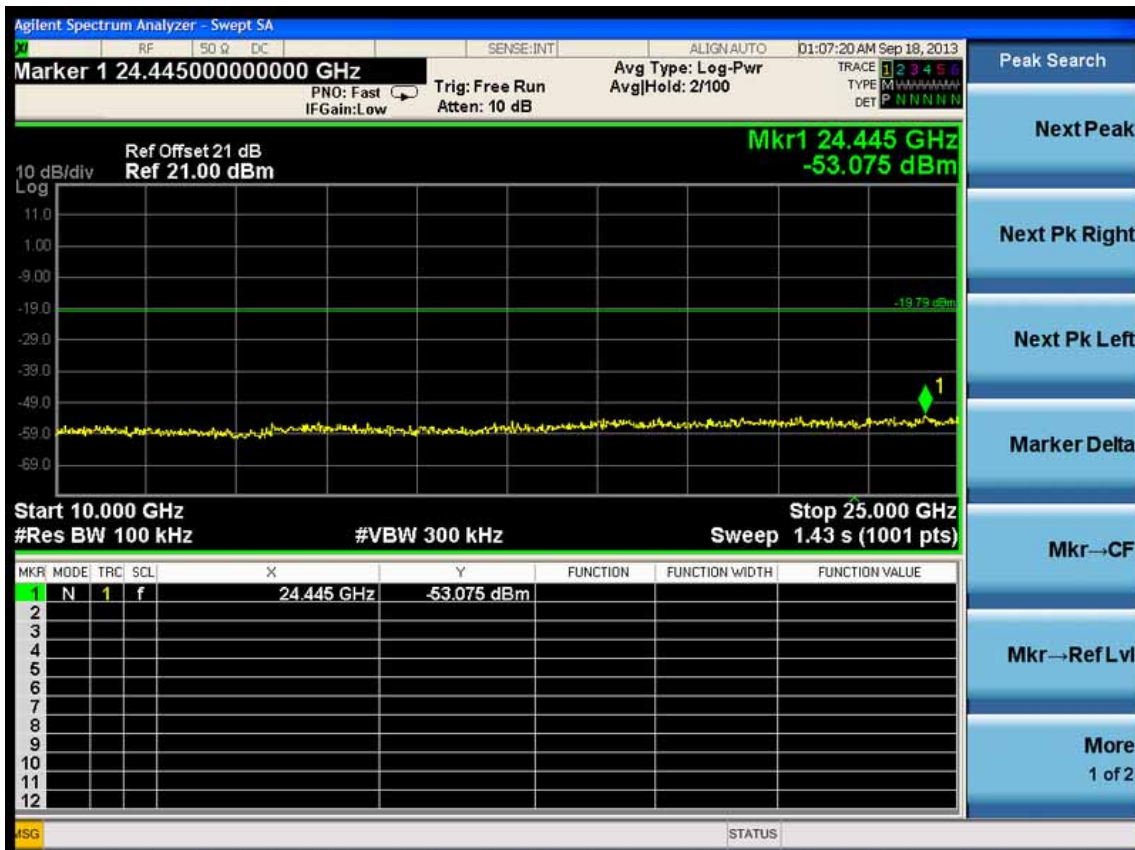


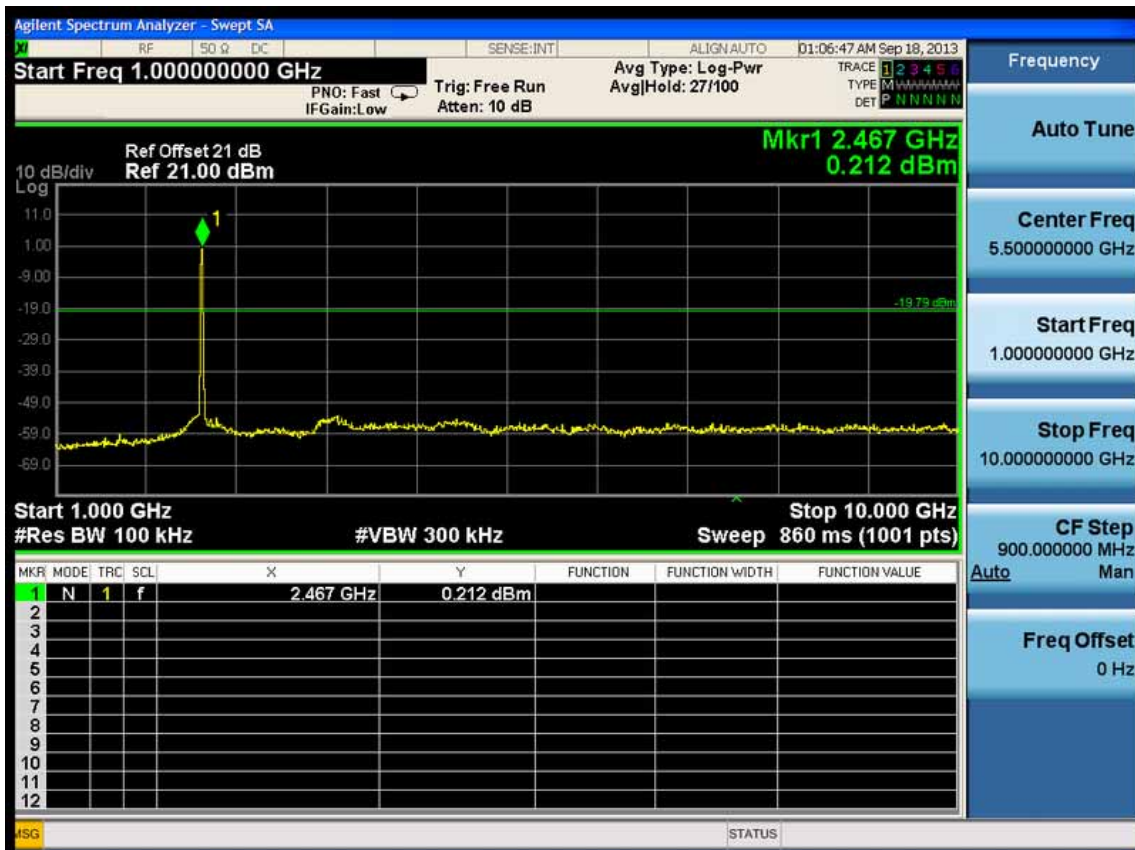
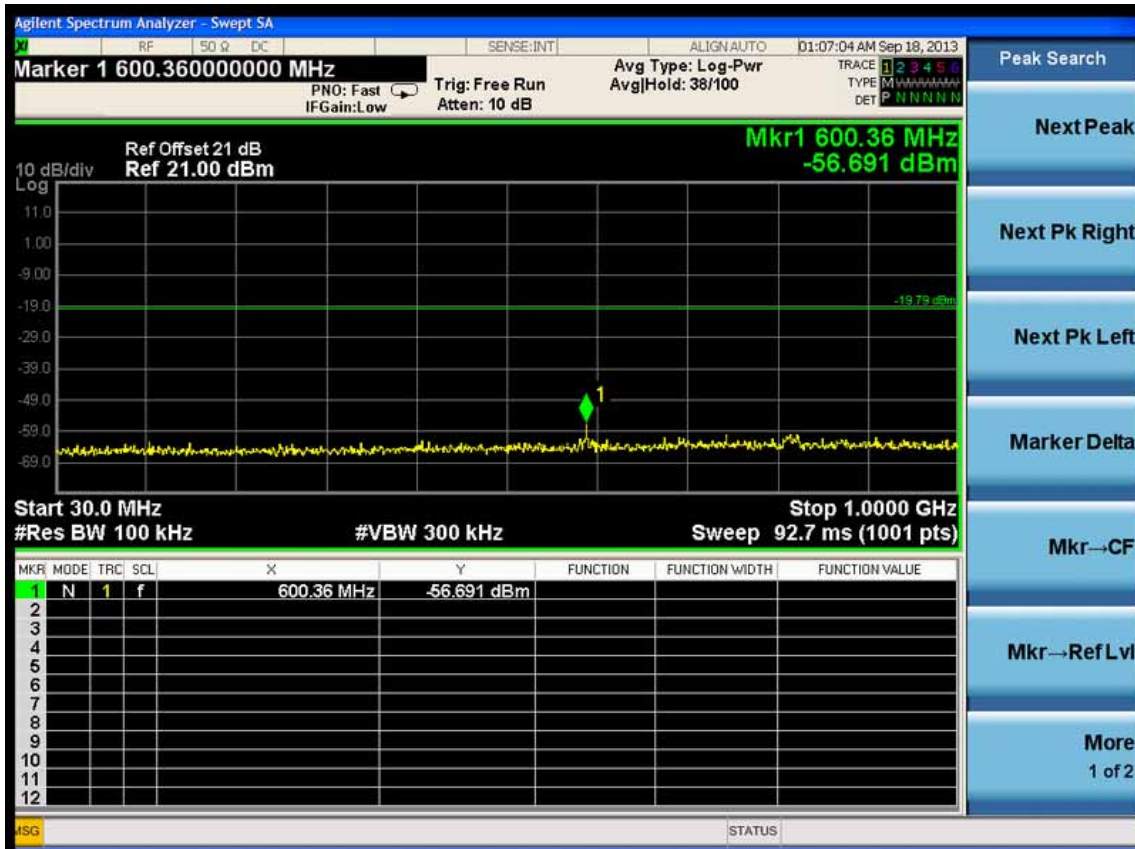
Test CH6: 2437MHz





Test CH11: 2462MHz

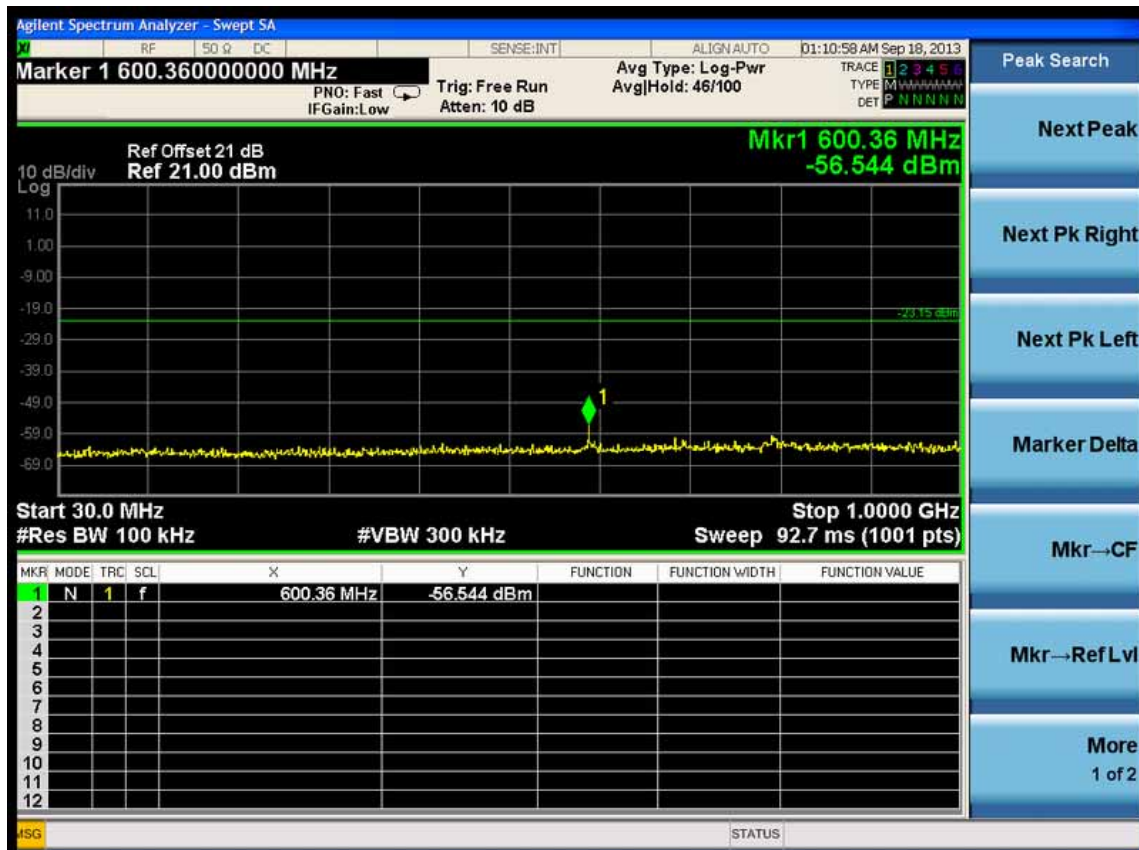
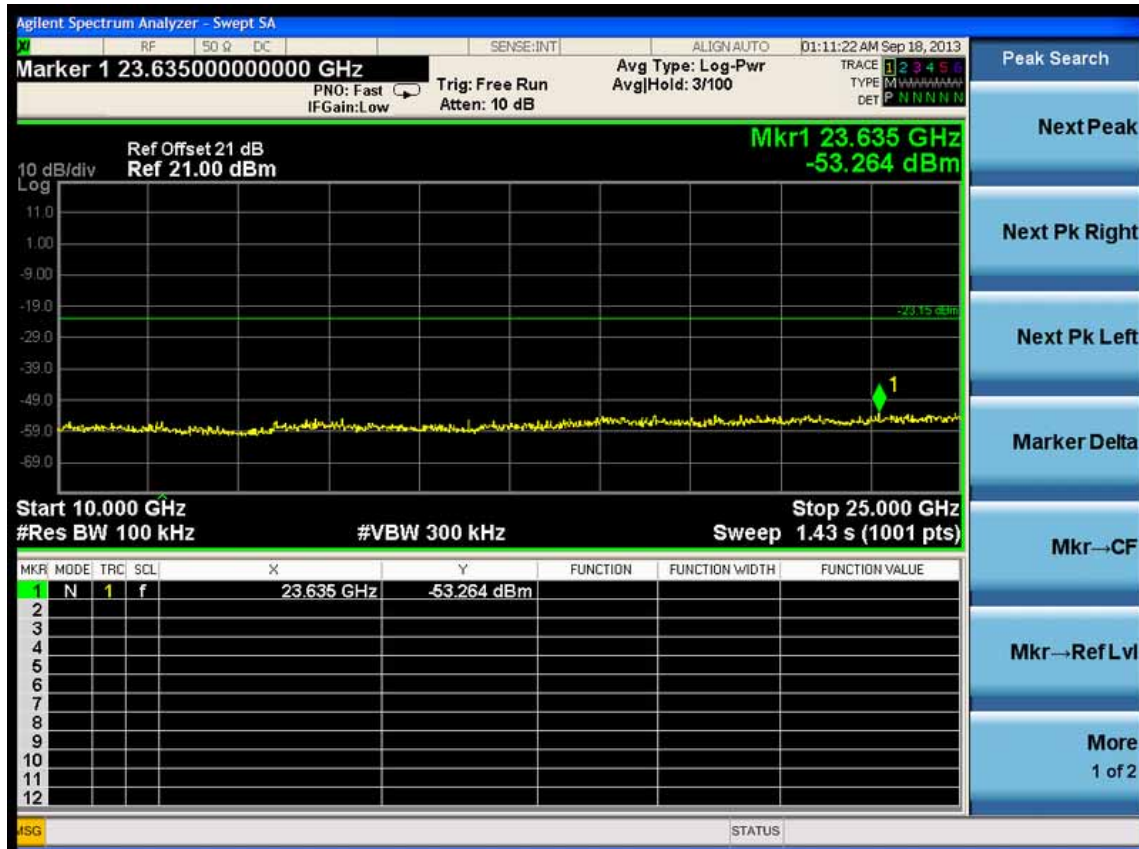


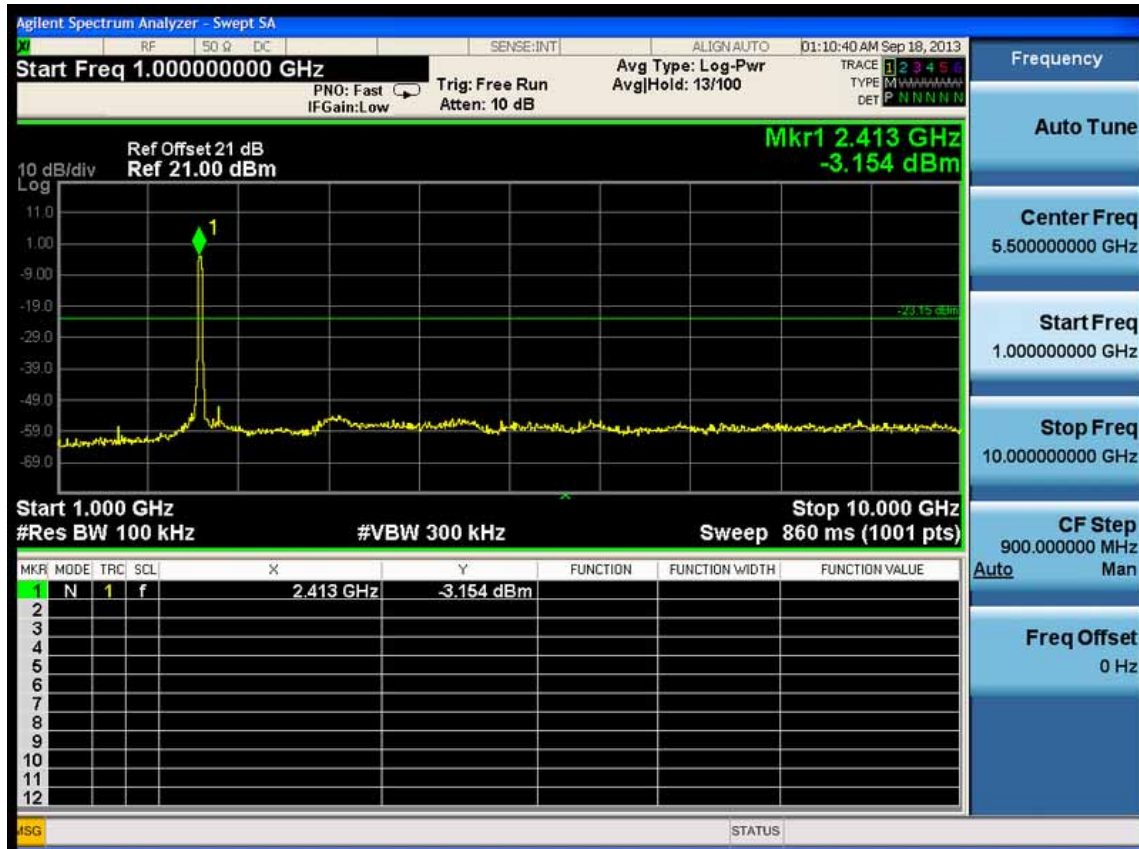




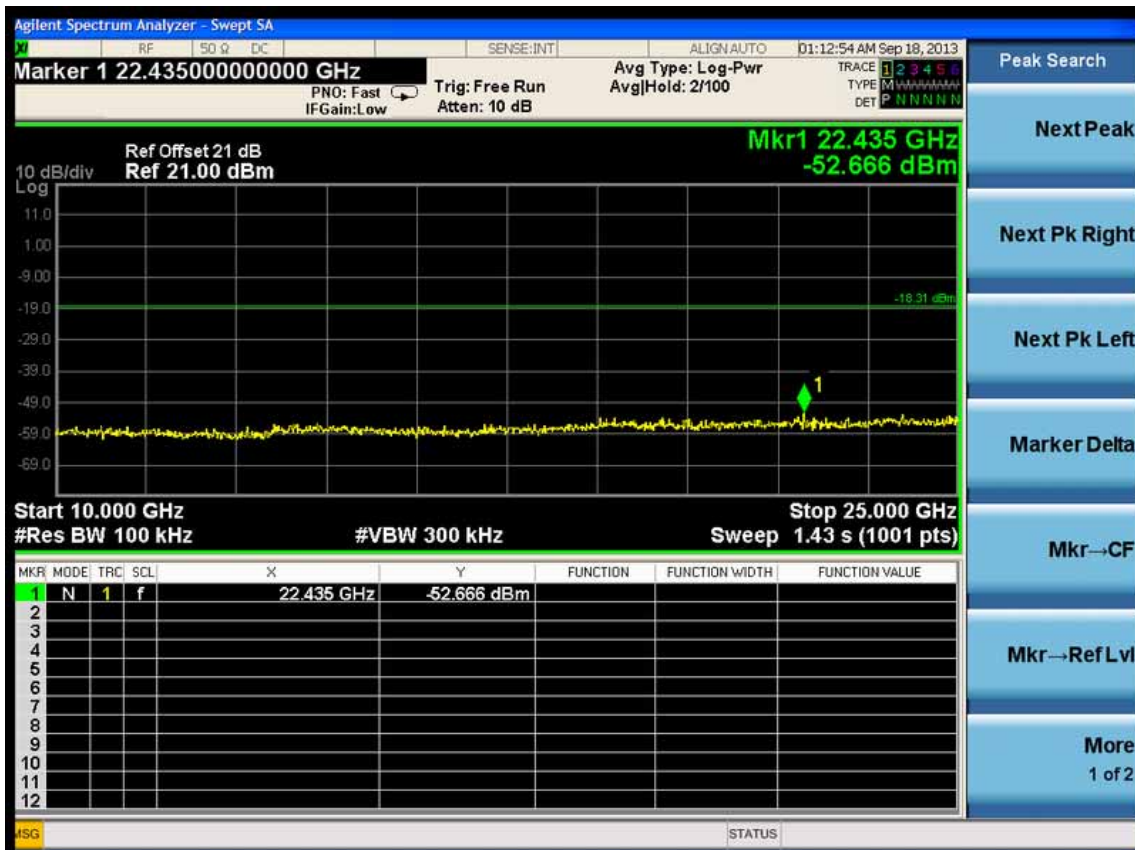
Test Mode: IEEE 802.11n HT40 TX
 Test CH1: 2422MHz

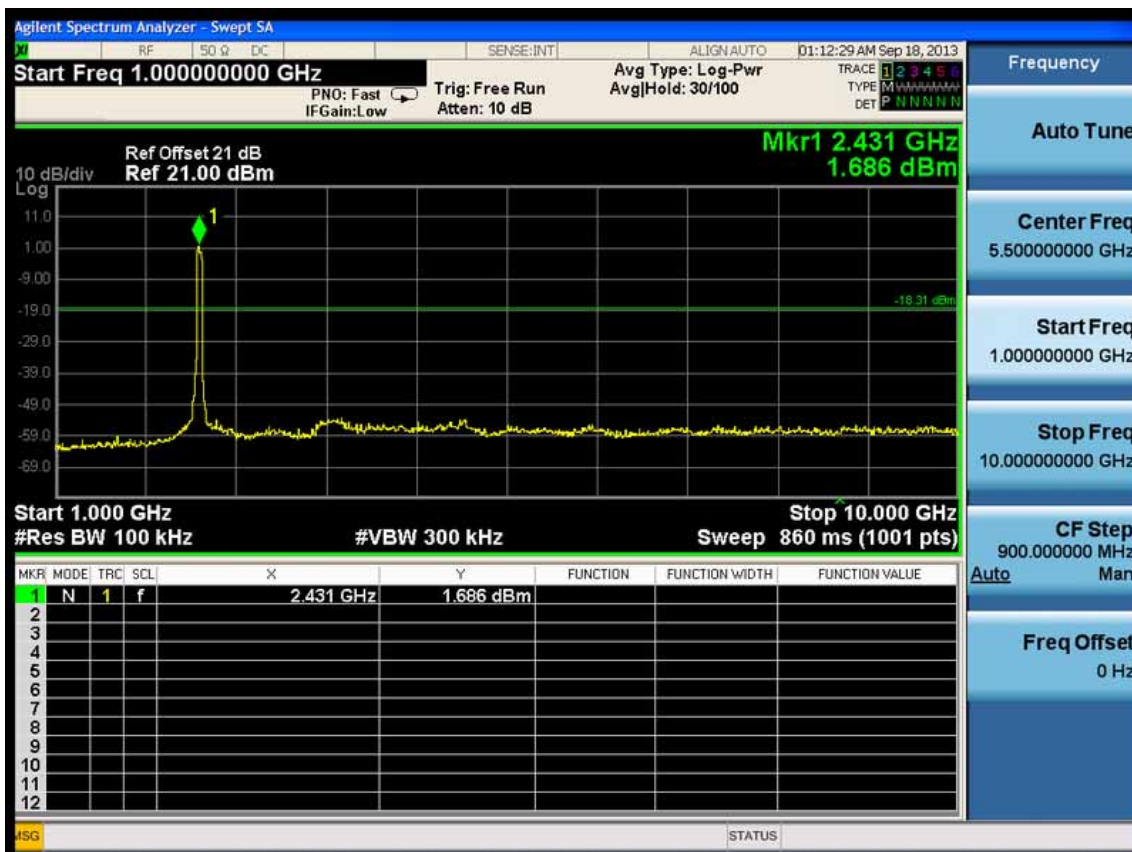
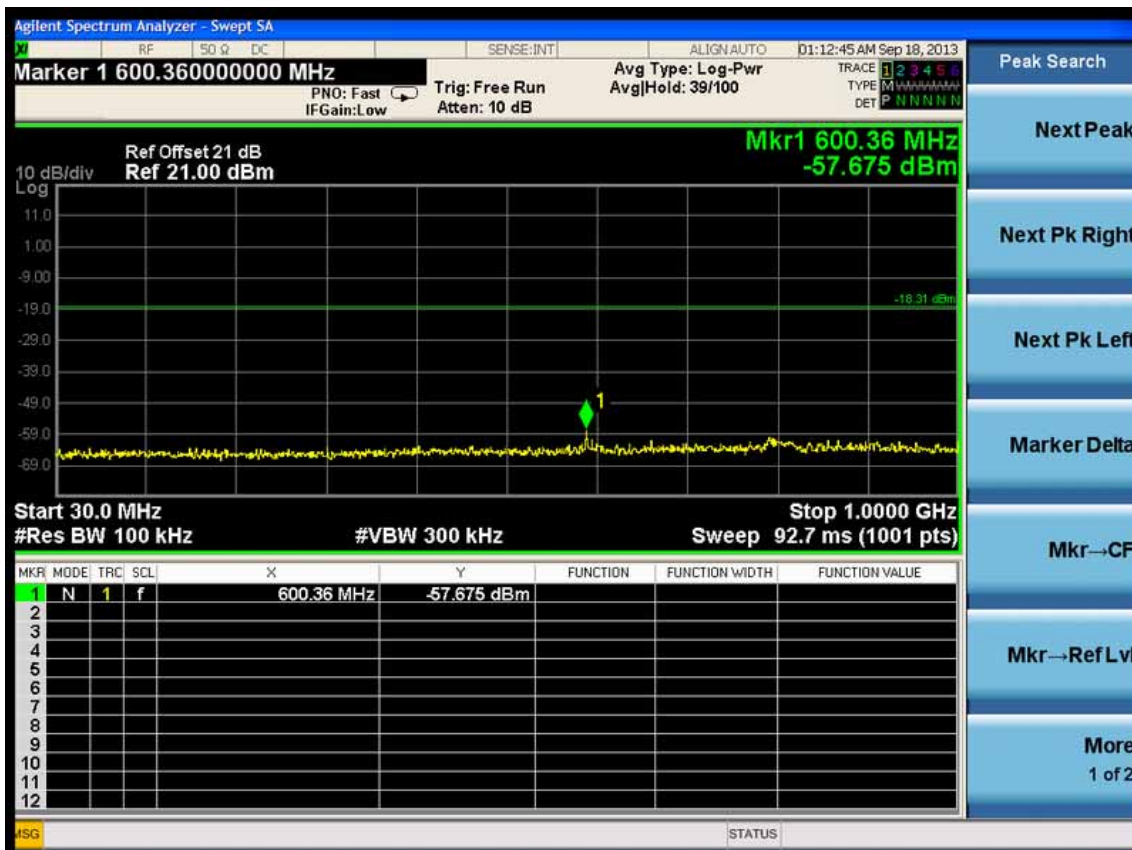




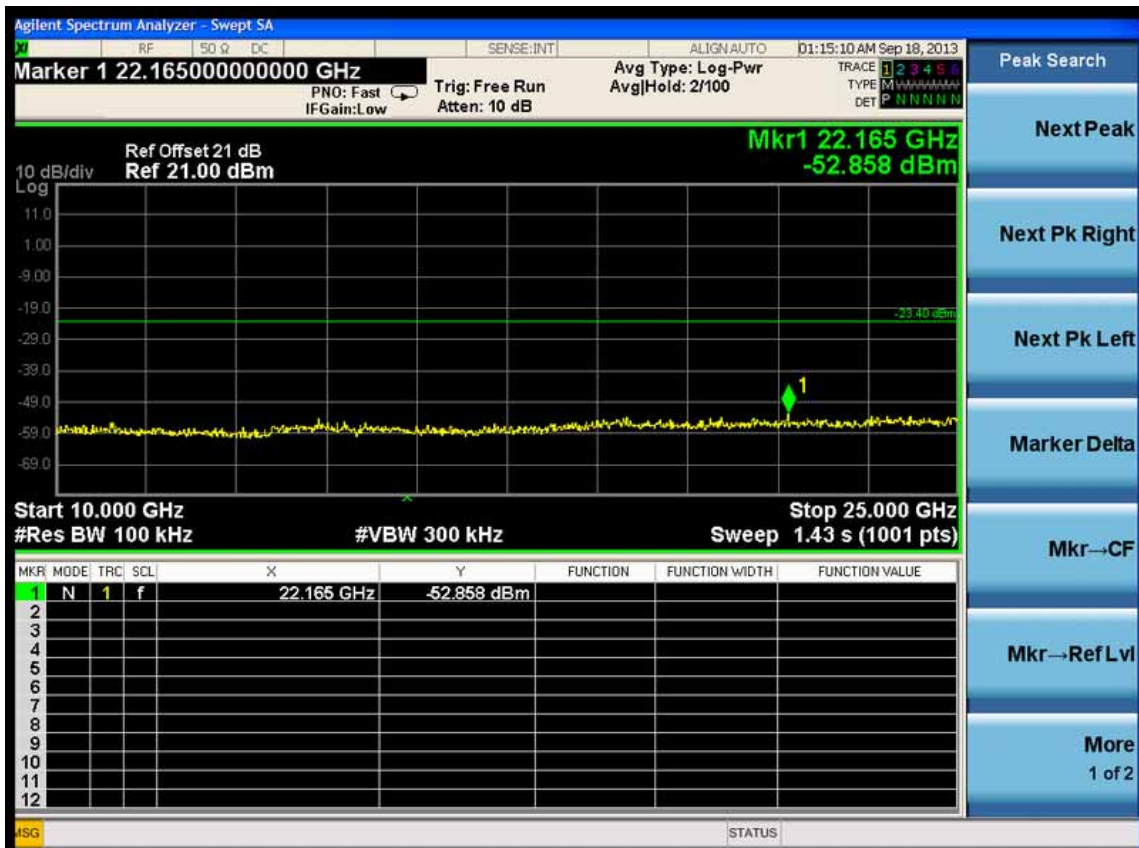


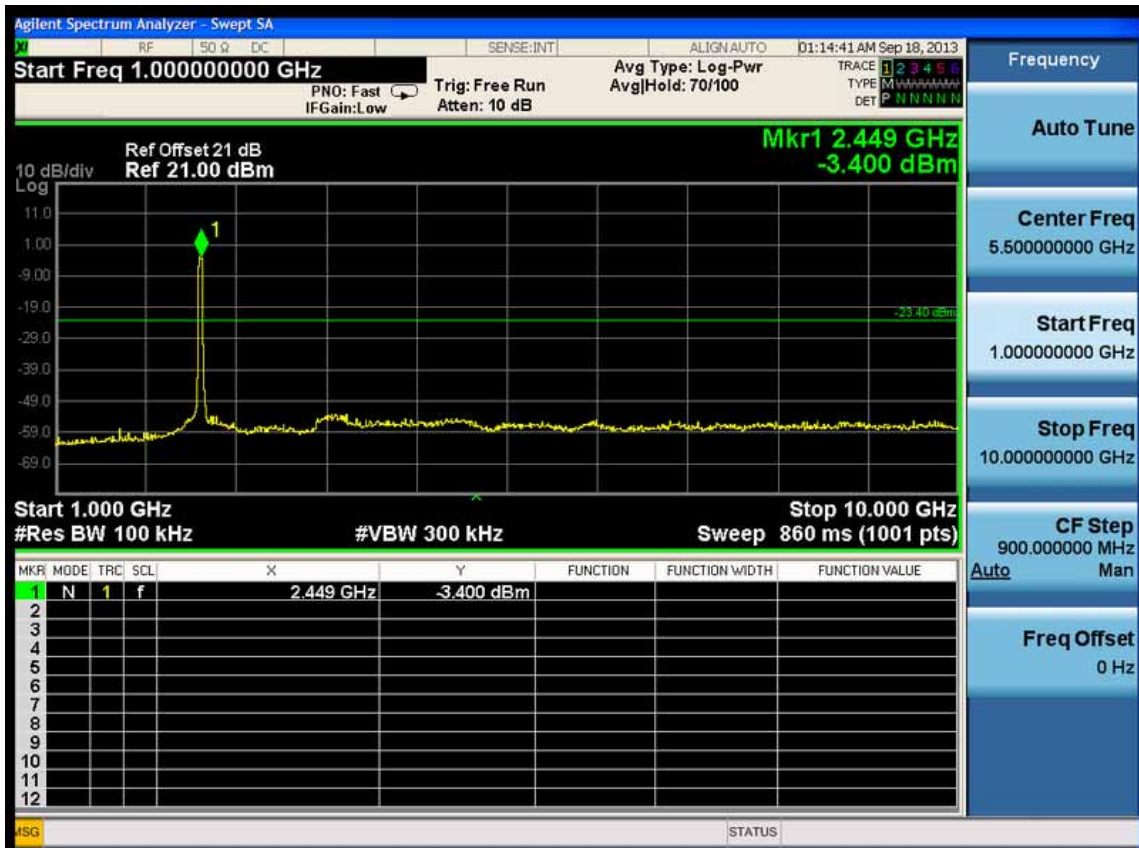
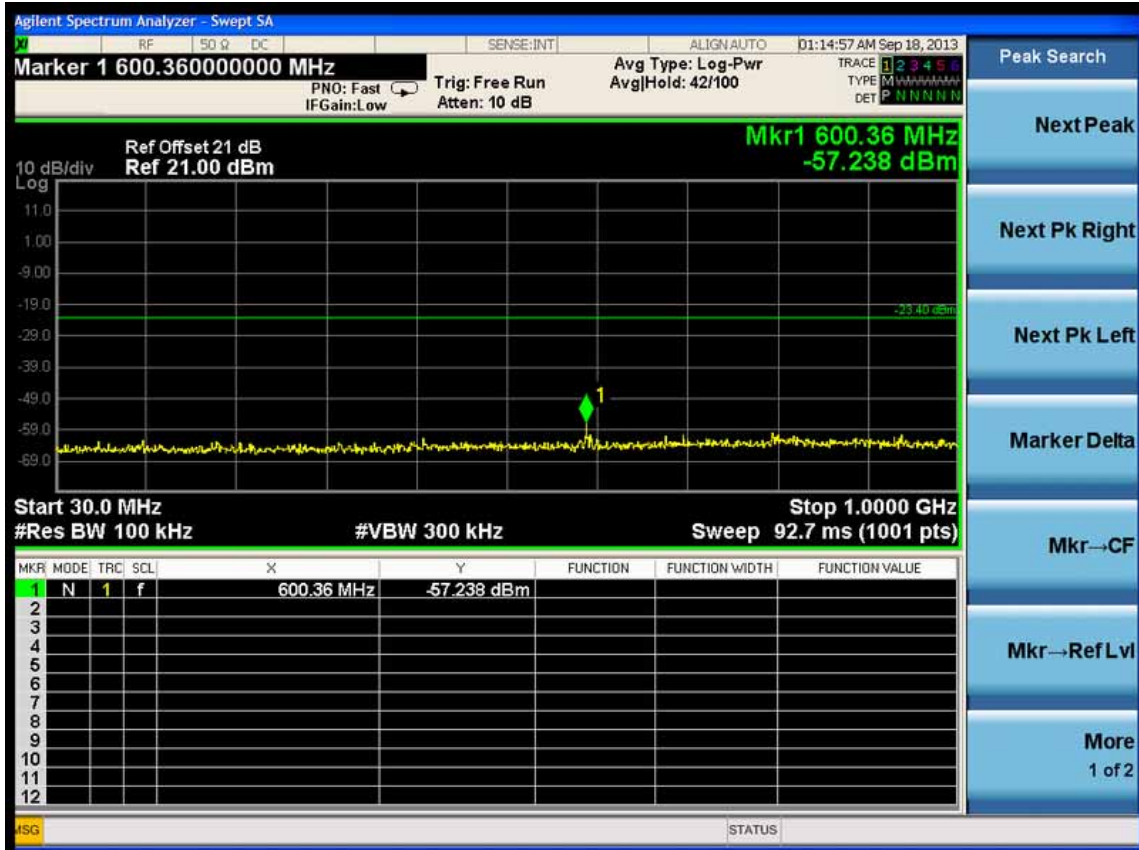
Test CH4: 2437MHz



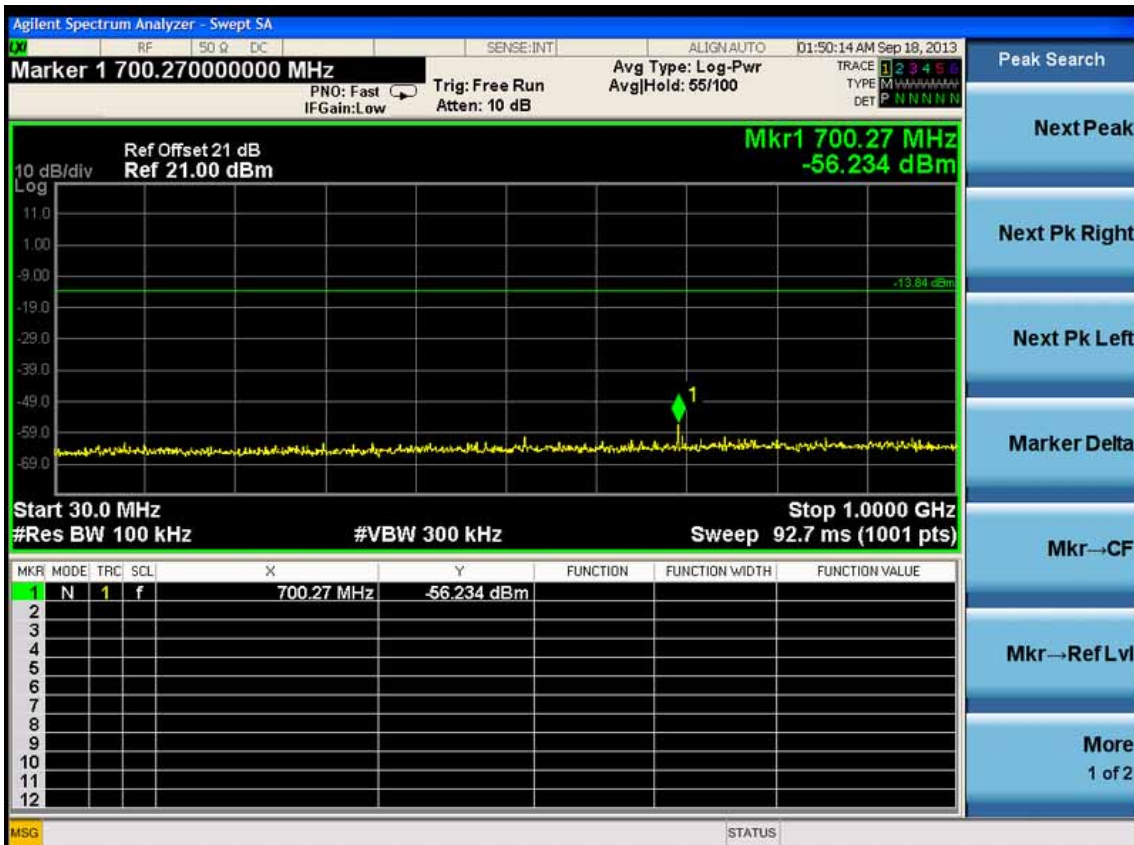
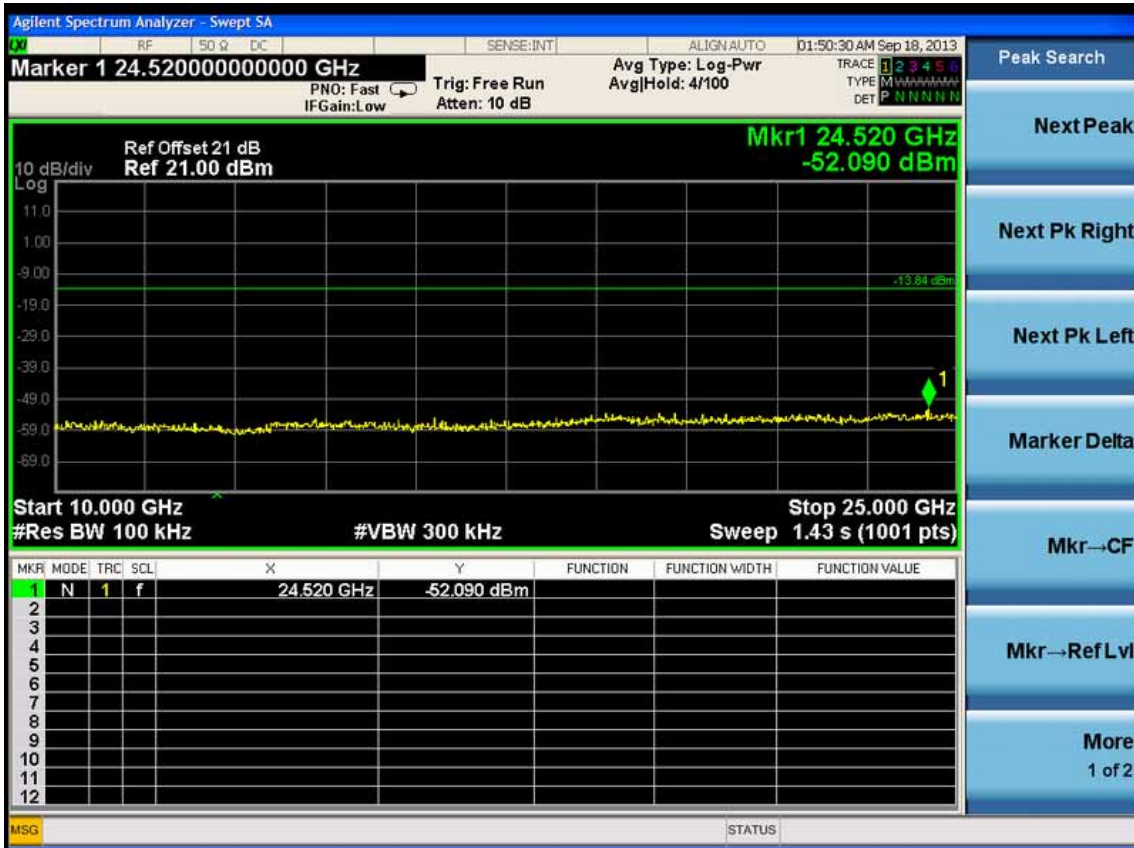


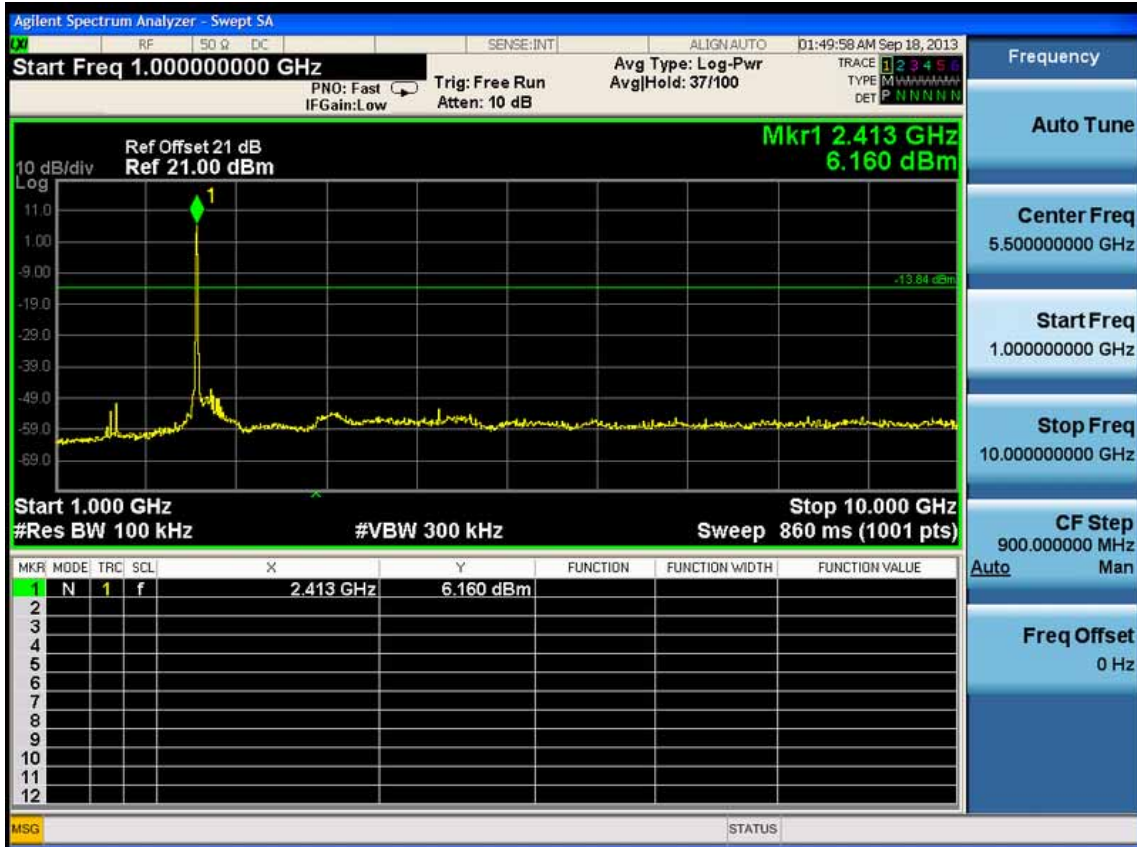
Test CH7: 2452MHz



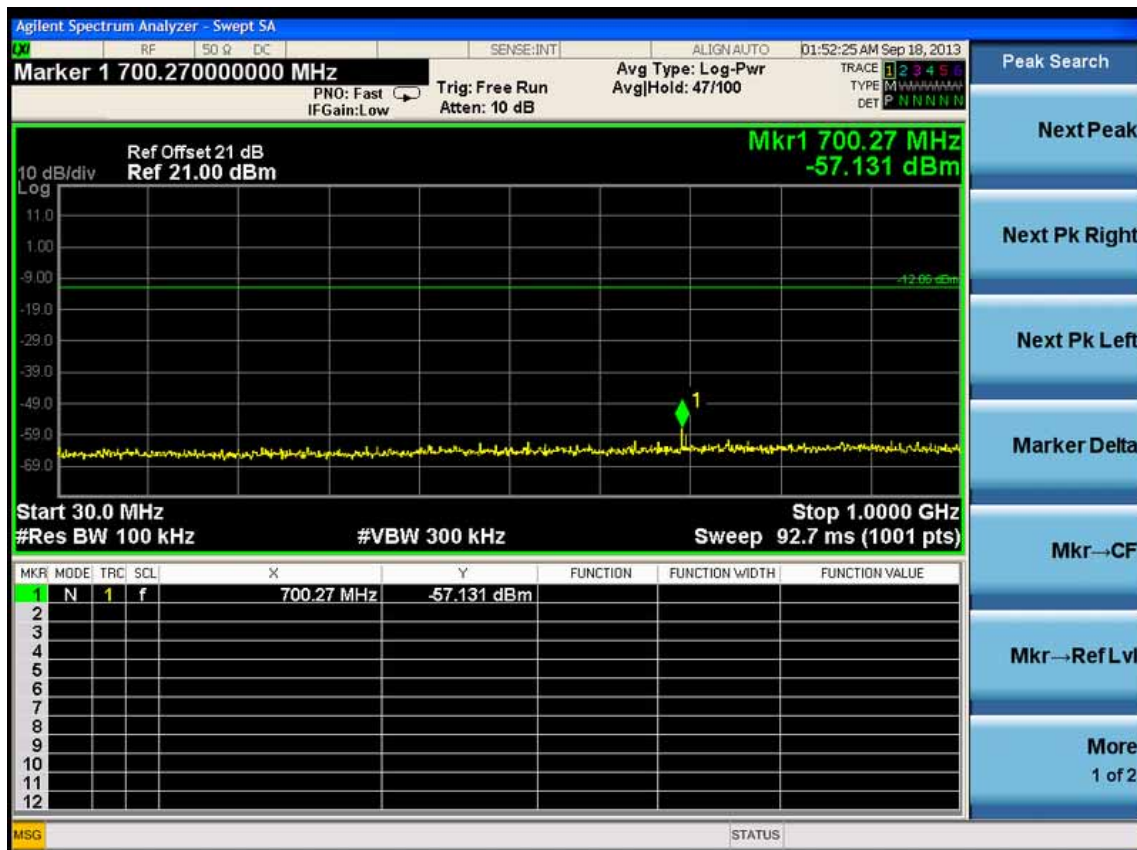
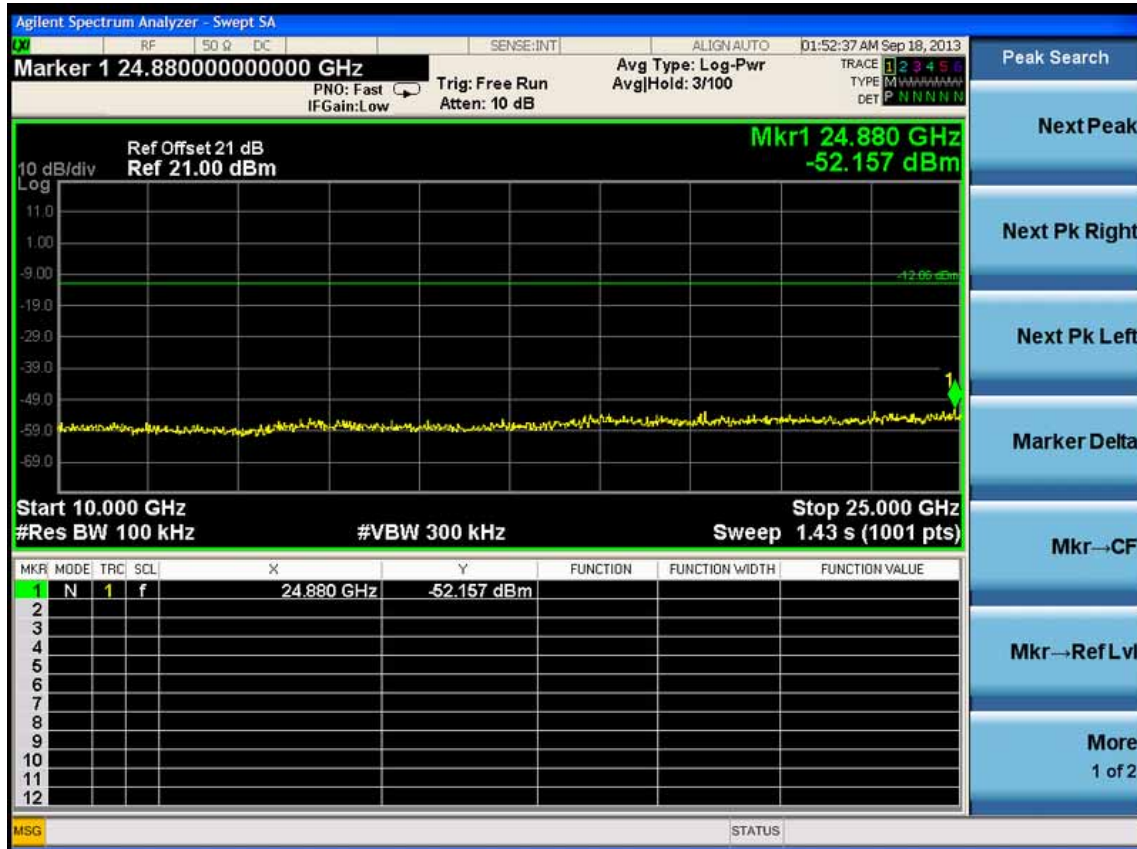


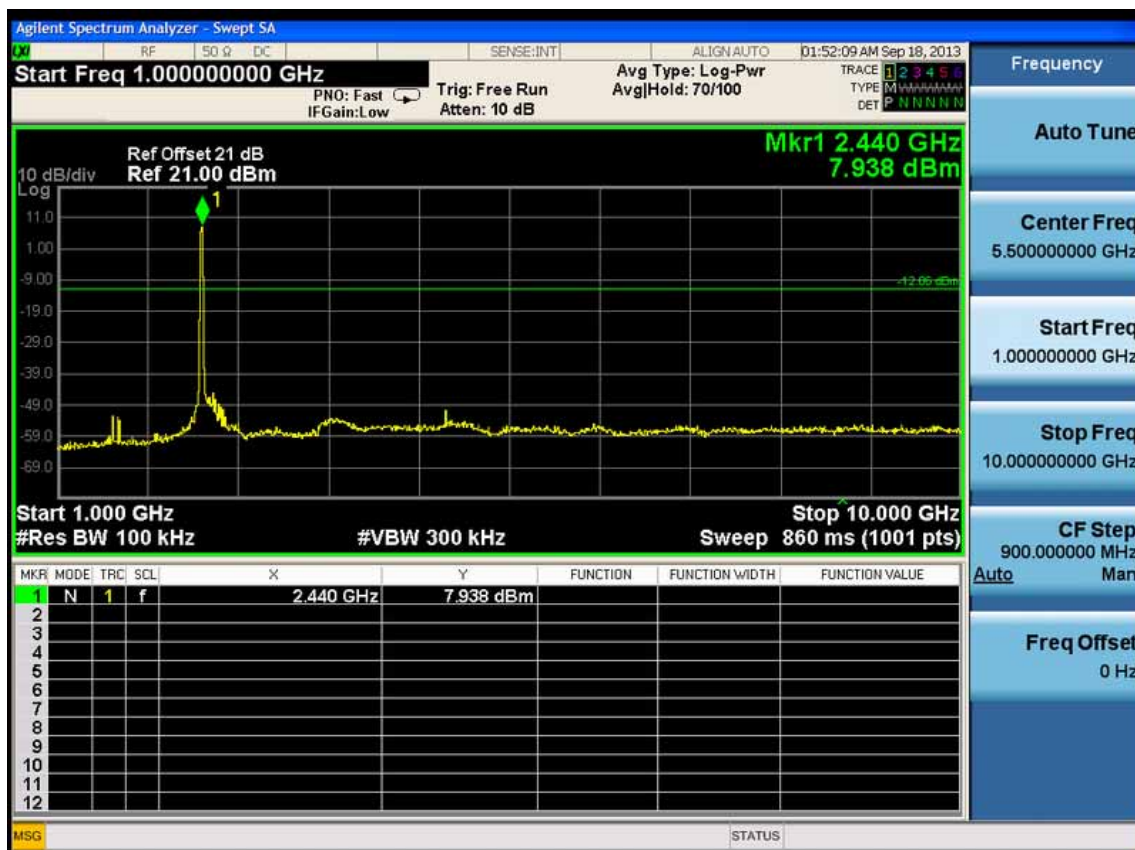
ANT 1
 Test Mode: IEEE 802.11b TX
 Test CH1: 2412MHz





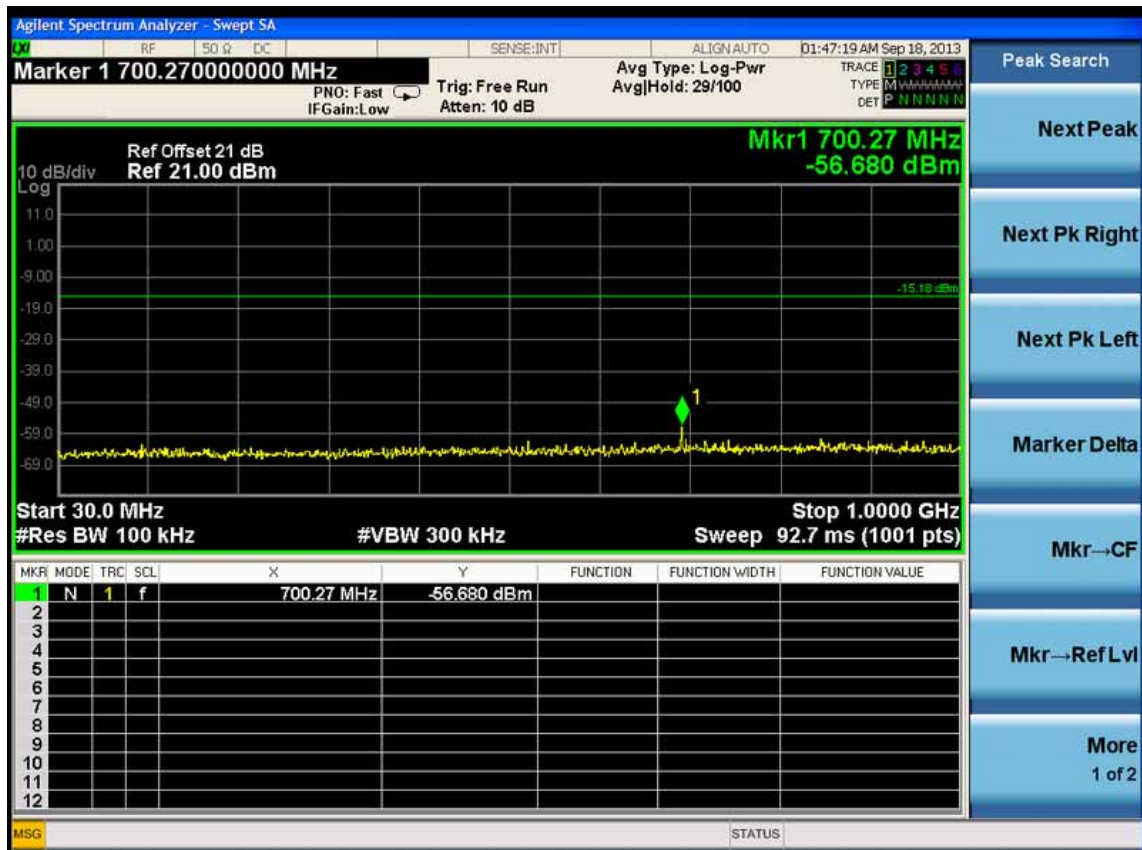
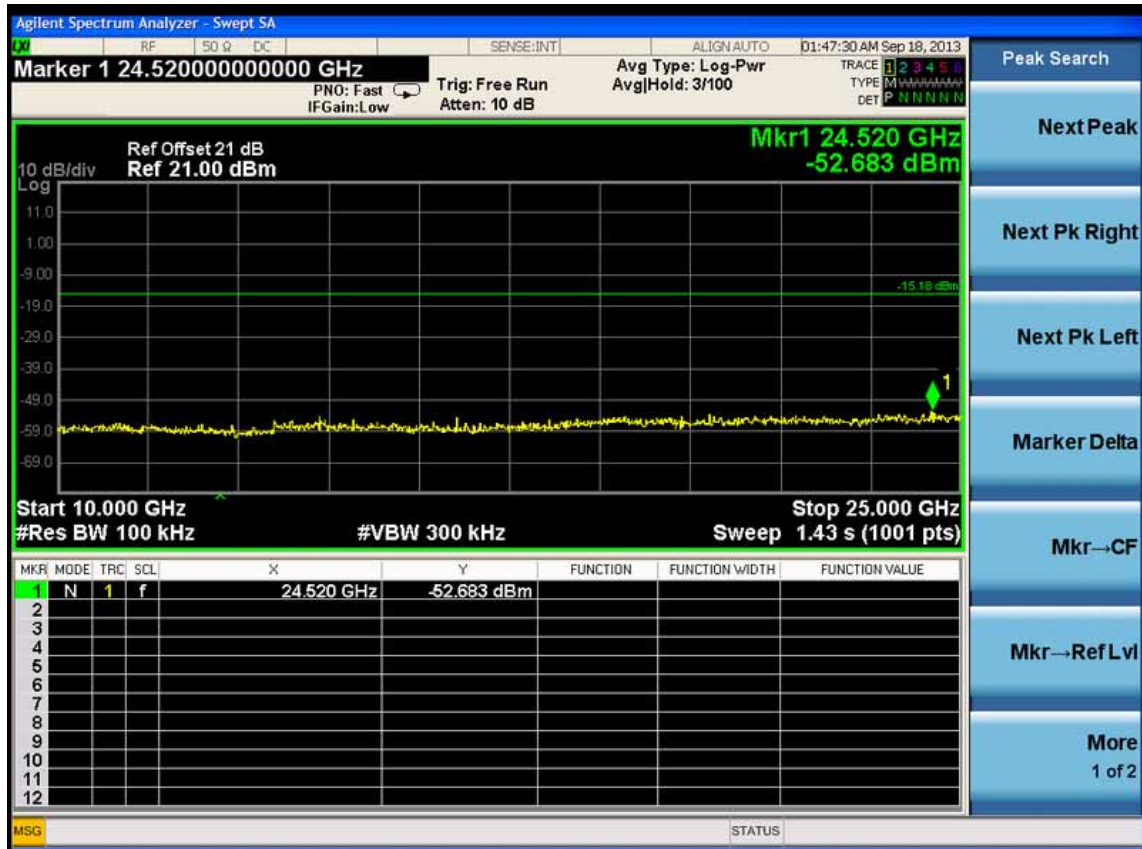
Test CH6: 2437MHz

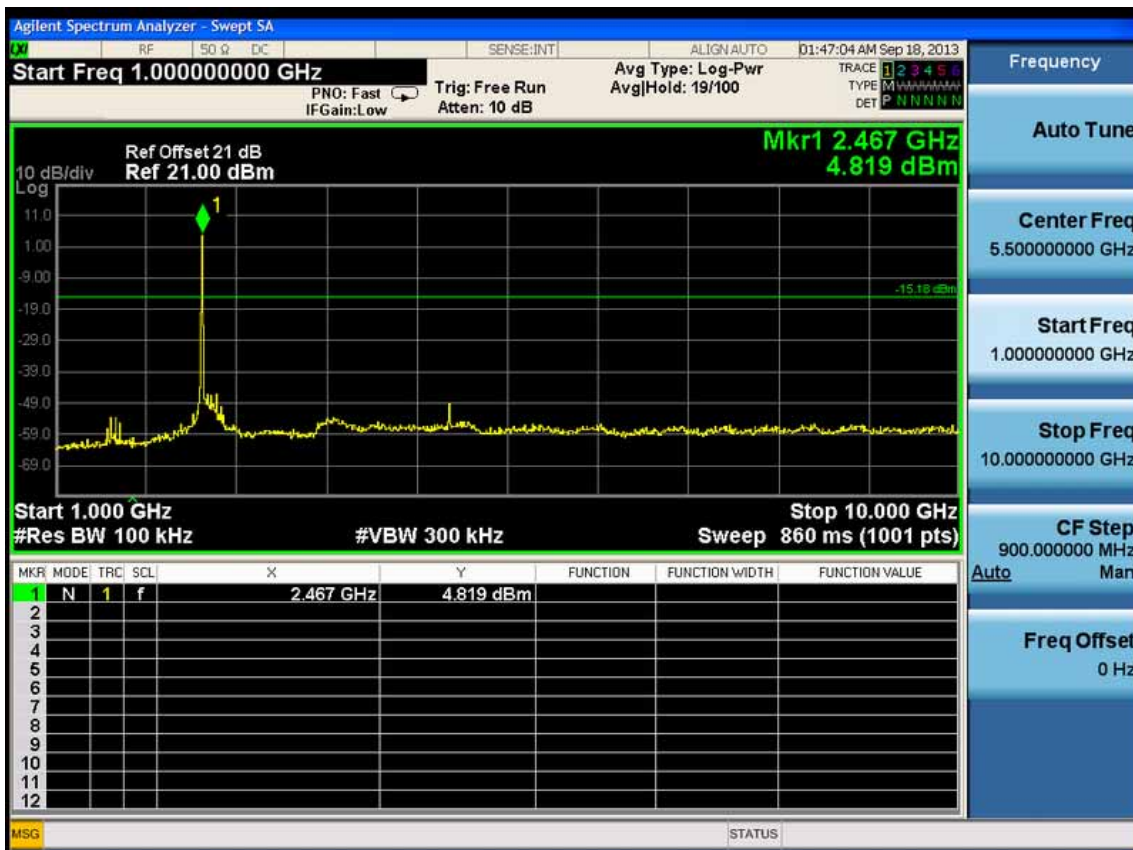




Test CH1: 2462MHz







Test Mode: IEEE 802.11g TX
 Test CH1: 2412MHz

