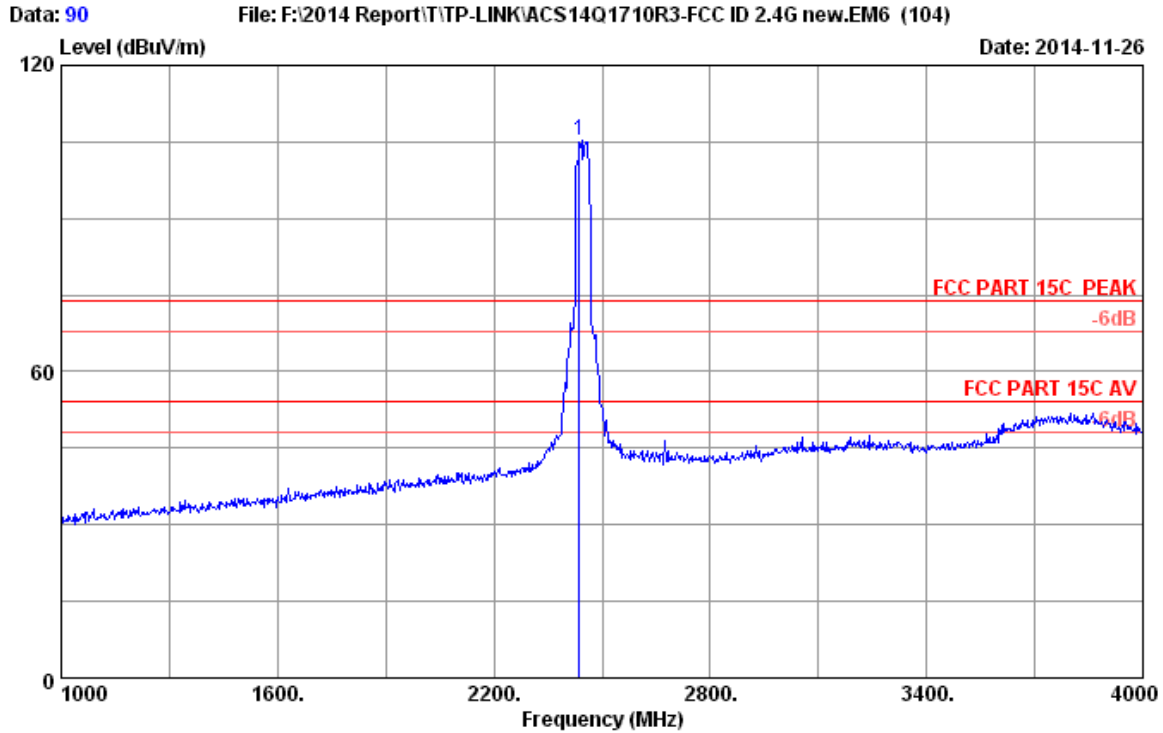


Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11n HT40 2437MHz

No.	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	28.26	5.85	35.70	97.10	95.51	74.00	-21.51	Peak

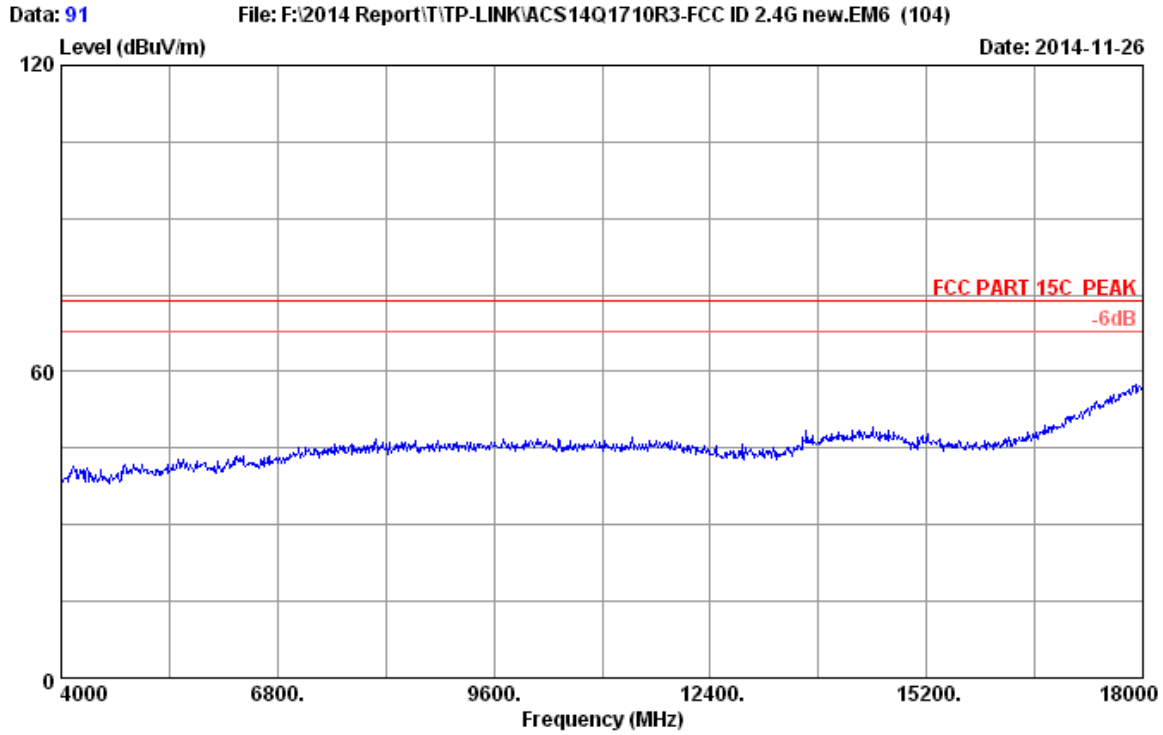
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



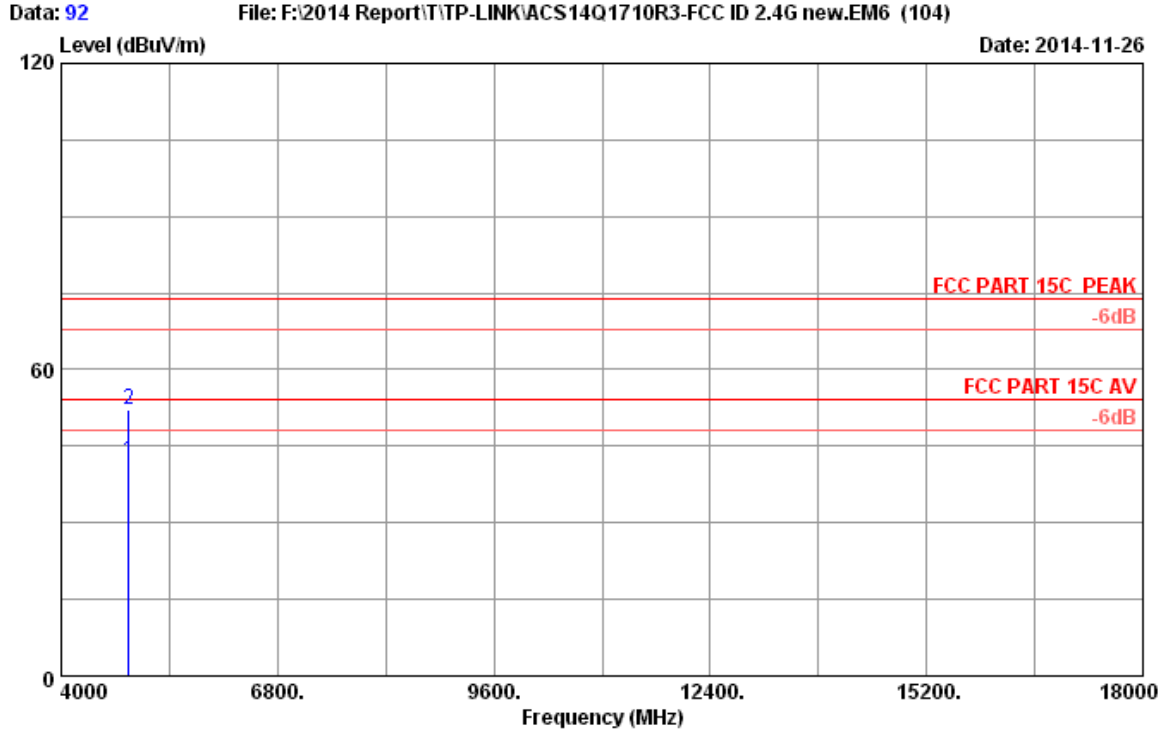
Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11n HT40 2437MHz
 :

No.	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	28.26	5.85	35.70	106.81	105.22	74.00	-31.22	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.



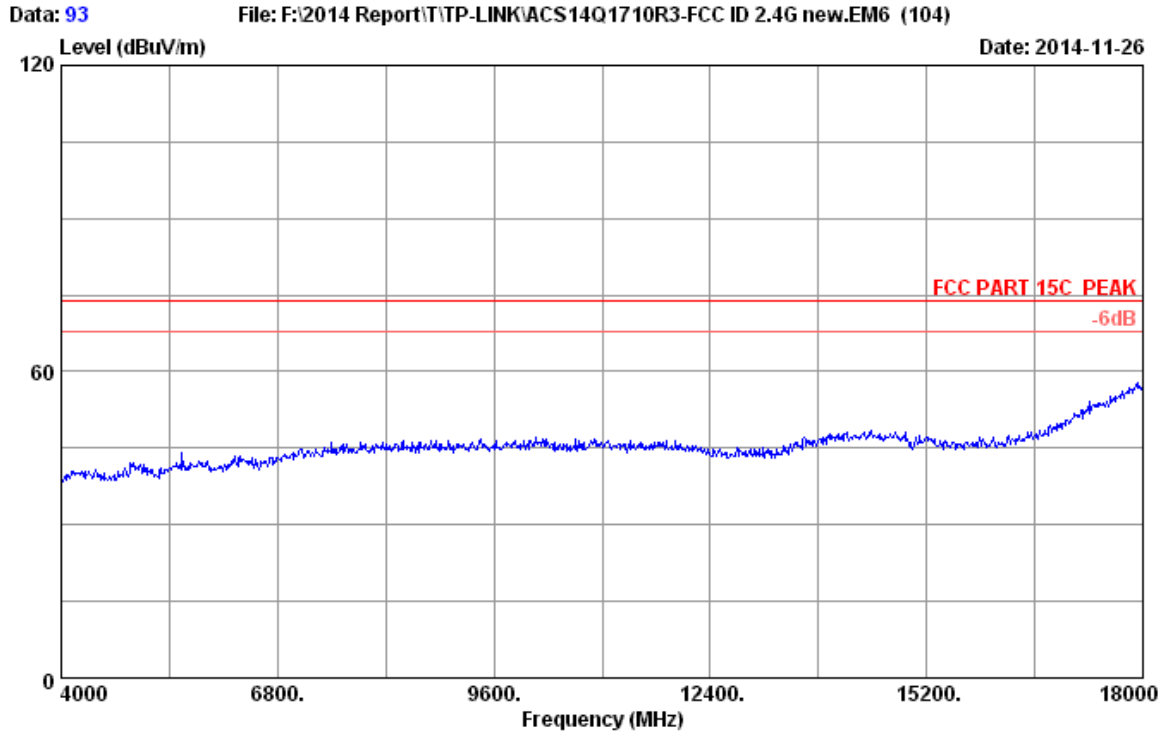
Site no. : 3m Chamber Data no. : 91
Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24°C/56% Engineer : Black
EUT : 300Mbps WiFi Range Extender Power Outlet
Pass-through M/N:TL-WA860RE
Power rating : AC 120V/60Hz
Test Mode : 802.11n HT40 2437MHz
:



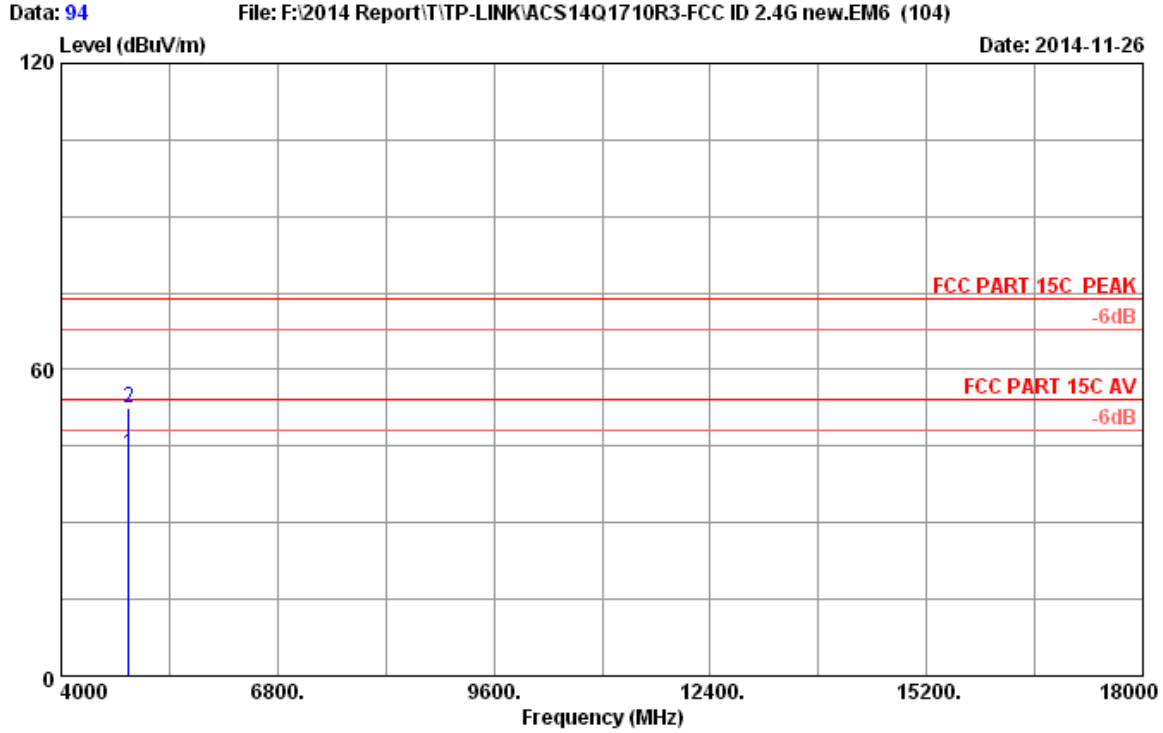
Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11n HT40 2437MHz
 :

No.	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	32.97	8.63	35.70	36.21	42.11	54.00	11.89	Average
2	4874.000	32.97	8.63	35.70	46.11	52.01	74.00	21.99	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.



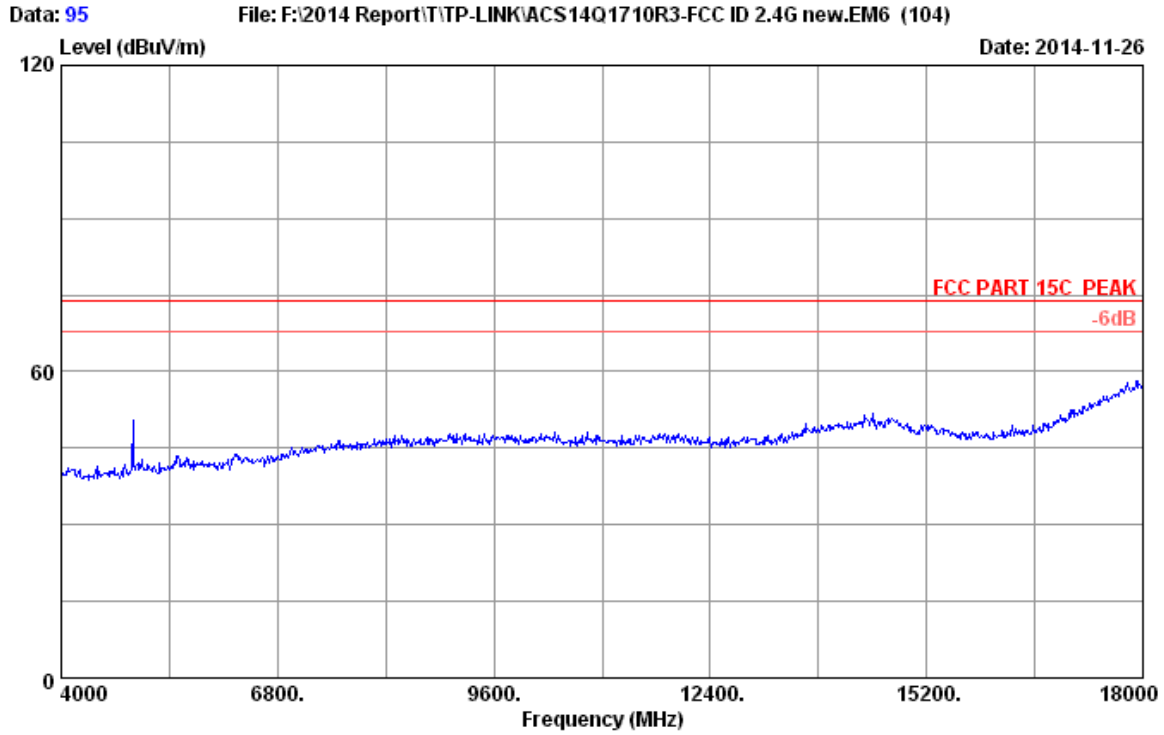
Site no.	: 3m Chamber	Data no.	: 93
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Black
EUT	: 300Mbps WiFi Range Extender Power Outlet		
	Pass-through M/N:TL-WA860RE		
Power rating	: AC 120V/60Hz		
Test Mode	: 802.11n HT40 2437MHz		
	:		



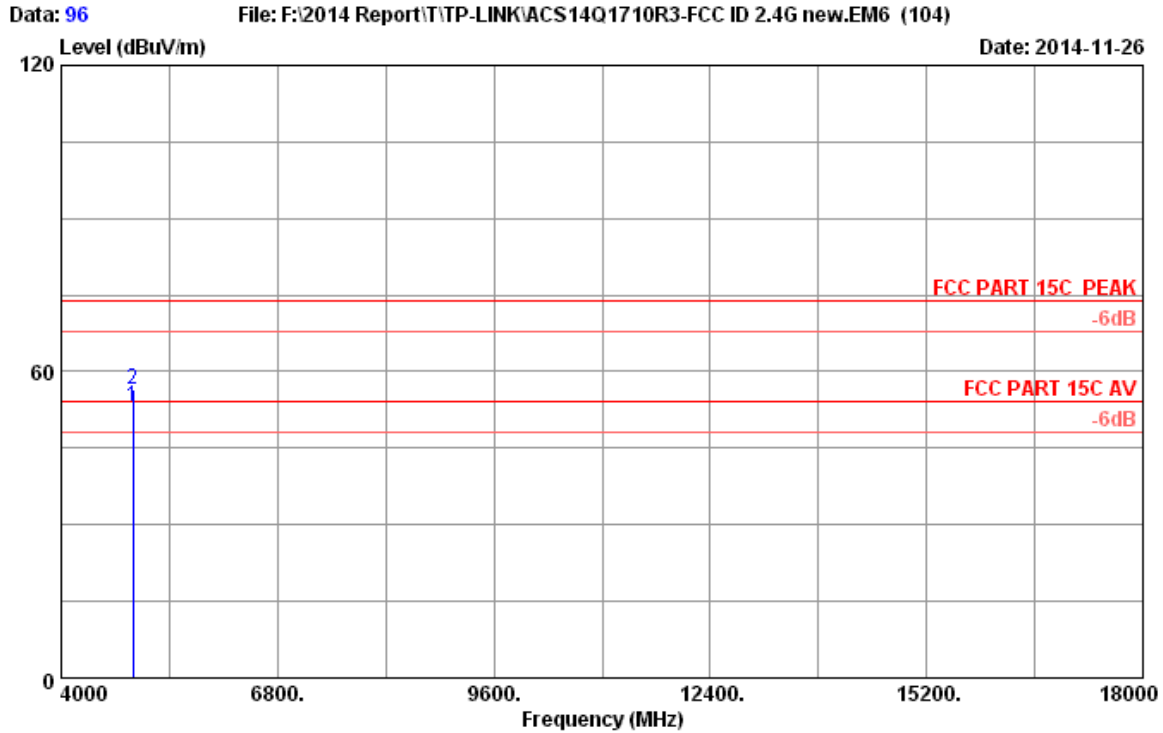
Site no. : 3m Chamber Data no. : 94
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11n HT40 2437MHz
 :

No.	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	32.97	8.63	35.70	37.51	43.41	54.00	10.59	Average
2	4874.000	32.97	8.63	35.70	46.51	52.41	74.00	21.59	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.



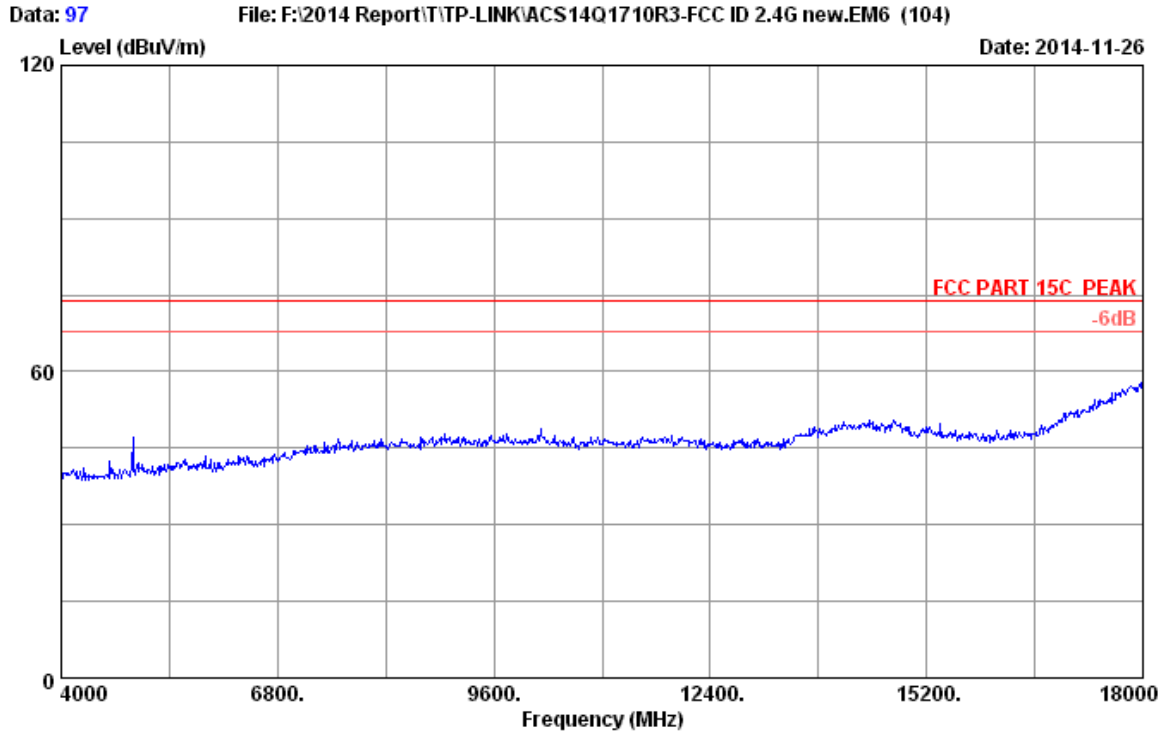
Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 24°C/56% Engineer : Black
EUT : 300Mbps WiFi Range Extender Power Outlet
Pass-through M/N:TL-WA860RE
Power rating : AC 120V/60Hz
Test Mode : 802.11b 2462MHz
: The Othe Sample



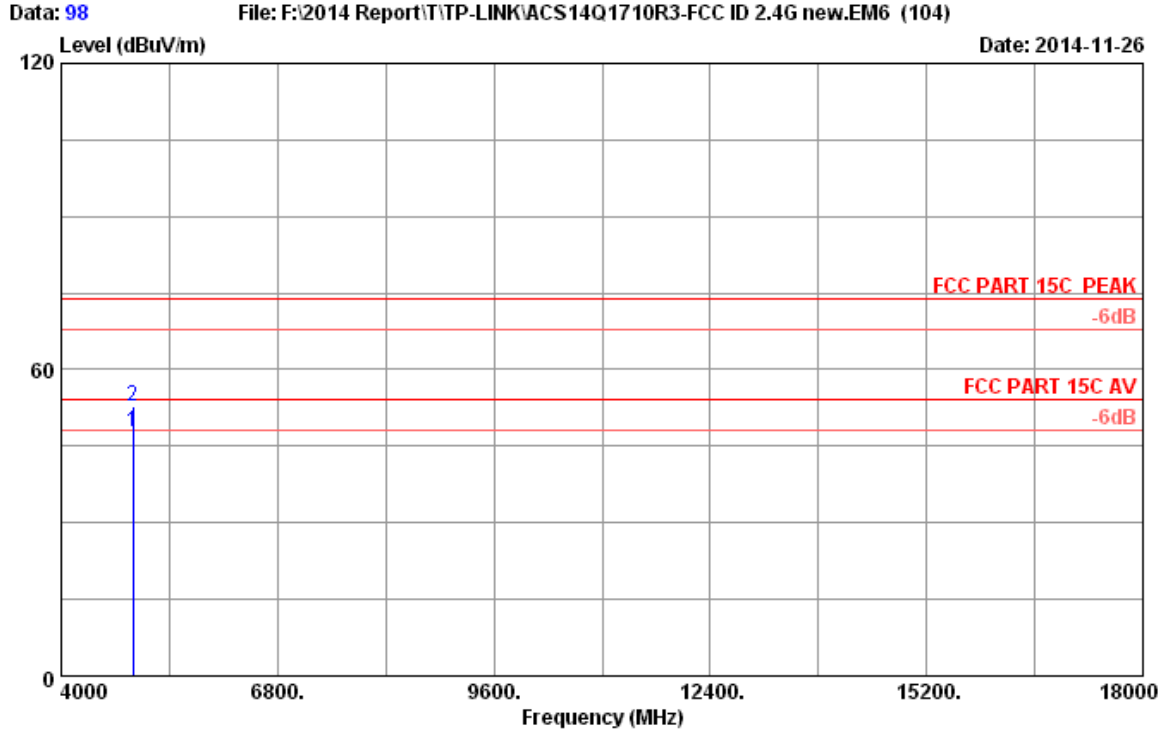
Site no. : 3m Chamber Data no. : 96
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11b 2462MHz
 : The Othe Sample

No.	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	4924.000	33.06	8.69	35.70	47.10	53.15	54.00	0.85	Average
2	4924.000	33.06	8.69	35.70	50.50	56.55	74.00	17.45	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.



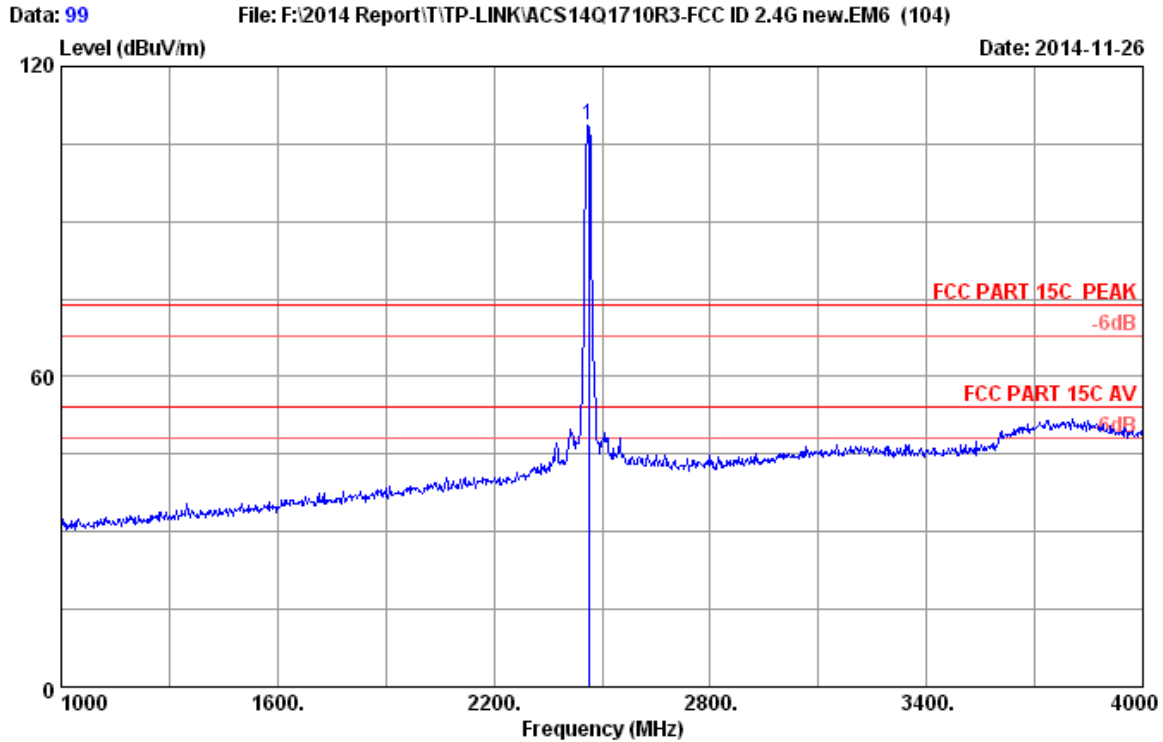
Site no.	: 3m Chamber	Data no.	: 97
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Black
EUT	: 300Mbps WiFi Range Extender Power Outlet		
	Pass-through M/N:TL-WA860RE		
Power rating	: AC 120V/60Hz		
Test Mode	: 802.11b 2462MHz		
	: The Othe Sample		



Site no. : 3m Chamber Data no. : 98
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11b 2462MHz
 : The Othe Sample

No.	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	4924.000	33.06	8.69	35.70	41.80	47.85	54.00	6.15	Average
2	4924.000	33.06	8.69	35.70	46.90	52.95	74.00	21.05	Peak

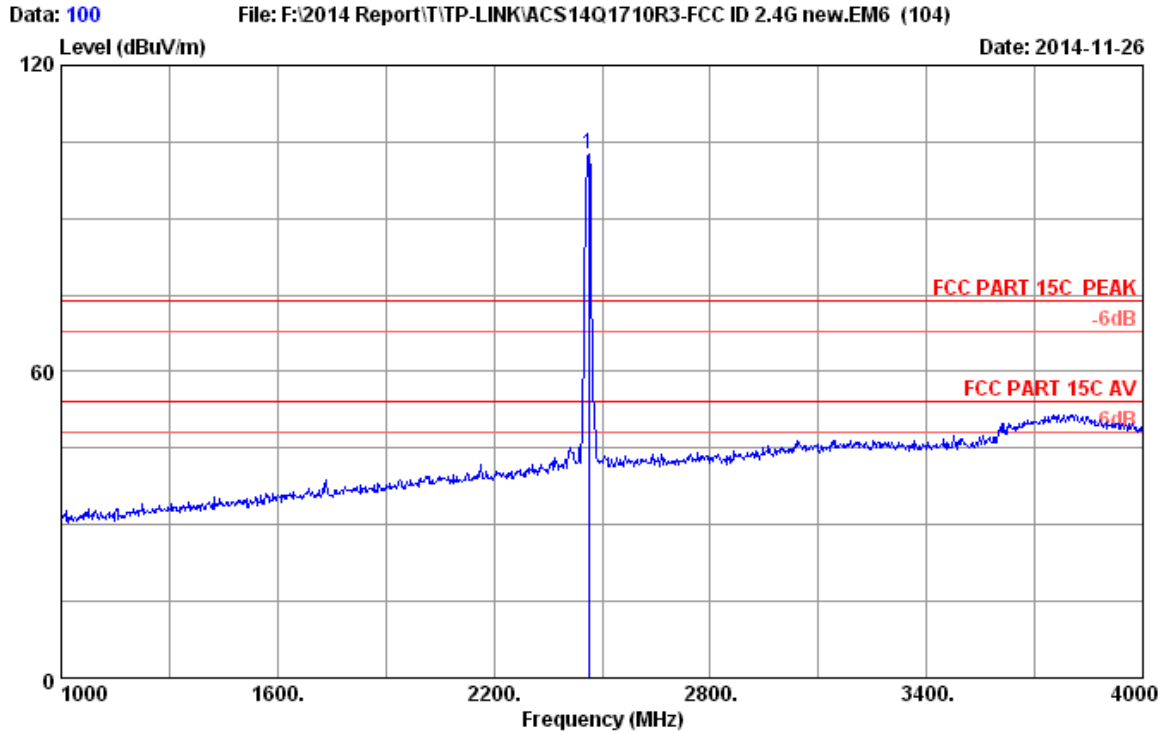
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 99
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11b 2462MHz
 : The Othe Sample

No.	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	28.32	5.89	35.70	110.00	108.51	74.00	-34.51	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. : 3m Chamber Data no. : 100
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Black
 EUT : 300Mbps WiFi Range Extender Power Outlet
 Pass-through M/N:TL-WA860RE
 Power rating : AC 120V/60Hz
 Test Mode : 802.11b 2462MHz
 : The Othe Sample

No.	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	28.32	5.89	35.70	104.16	102.67	74.00	-28.67	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.

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.29, 14	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Apr. 28,14	1 Year

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.

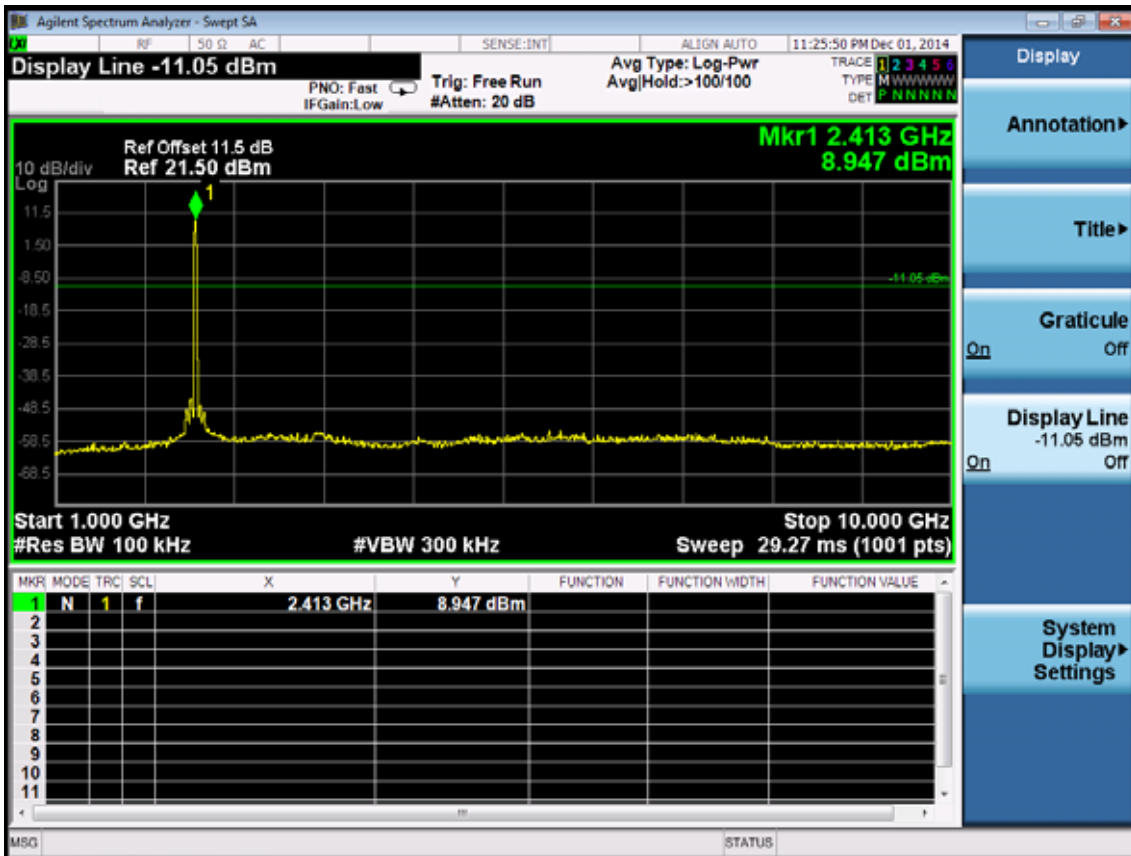
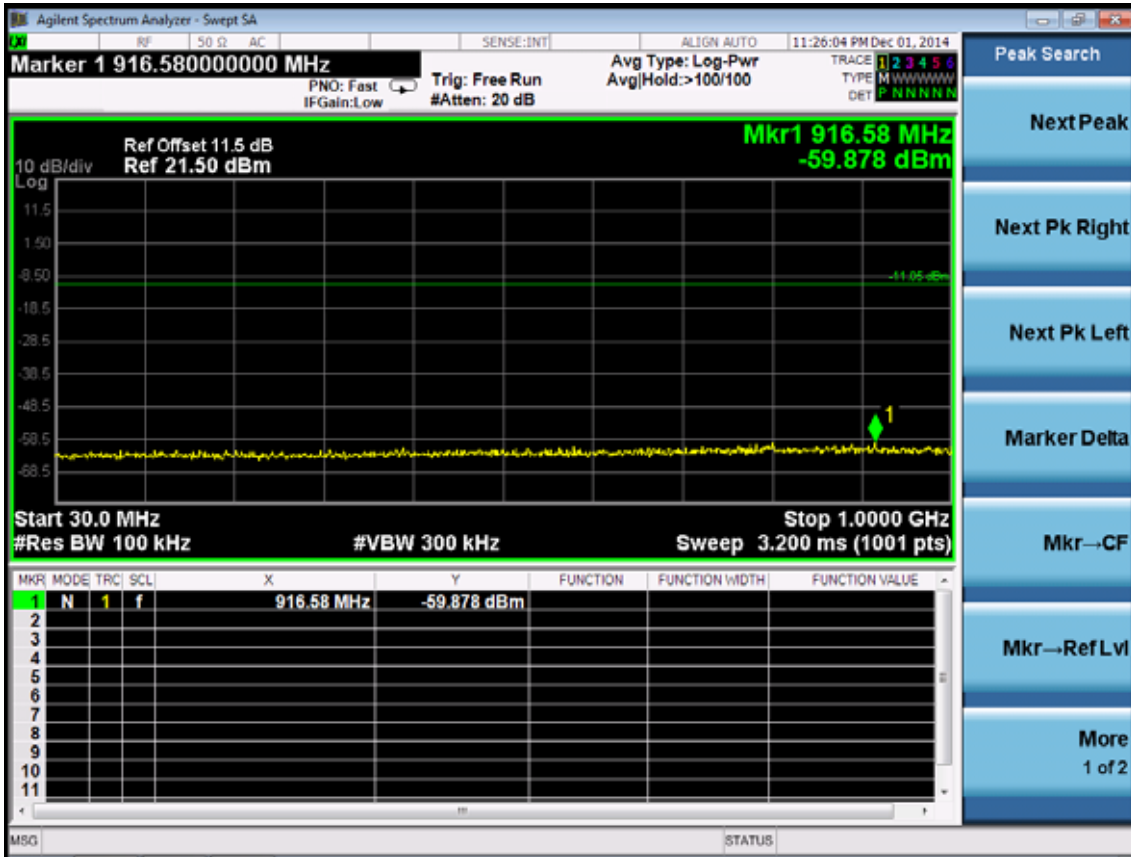
5.4. Test result

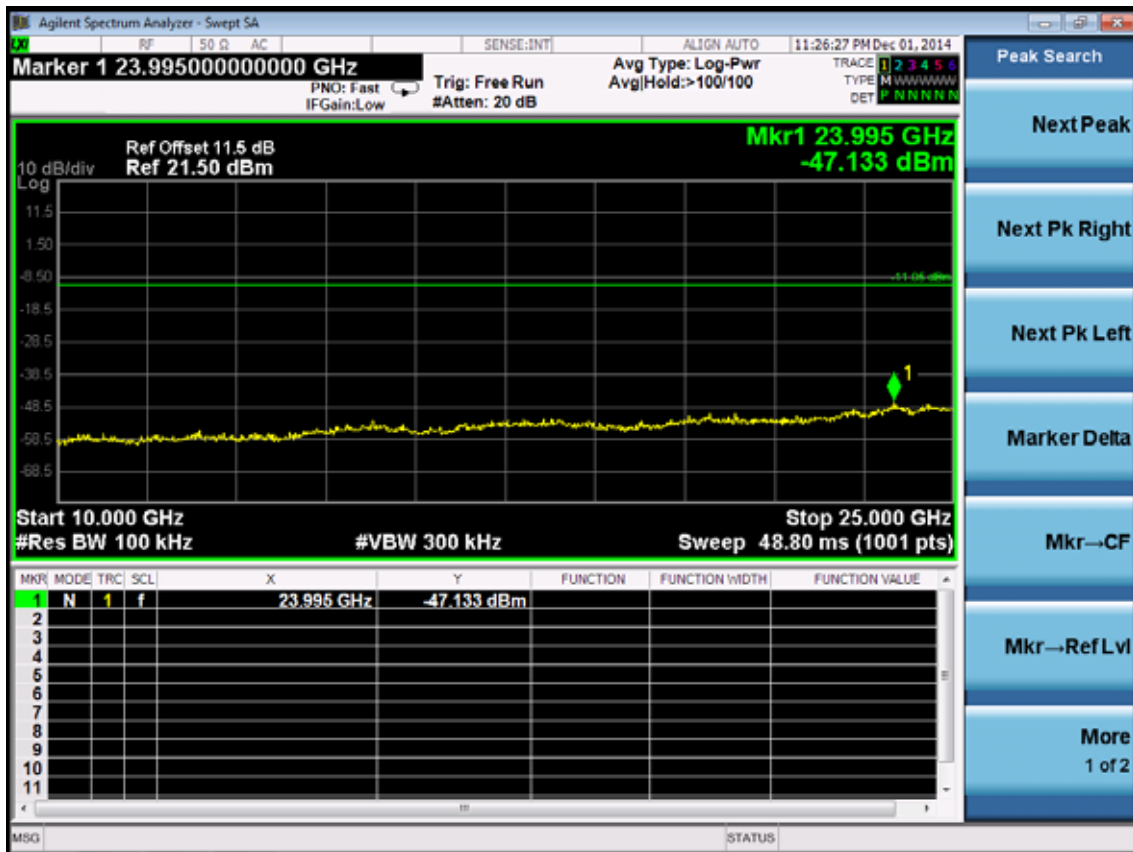
PASS (The testing data was attached in the next pages.)

ANT 0

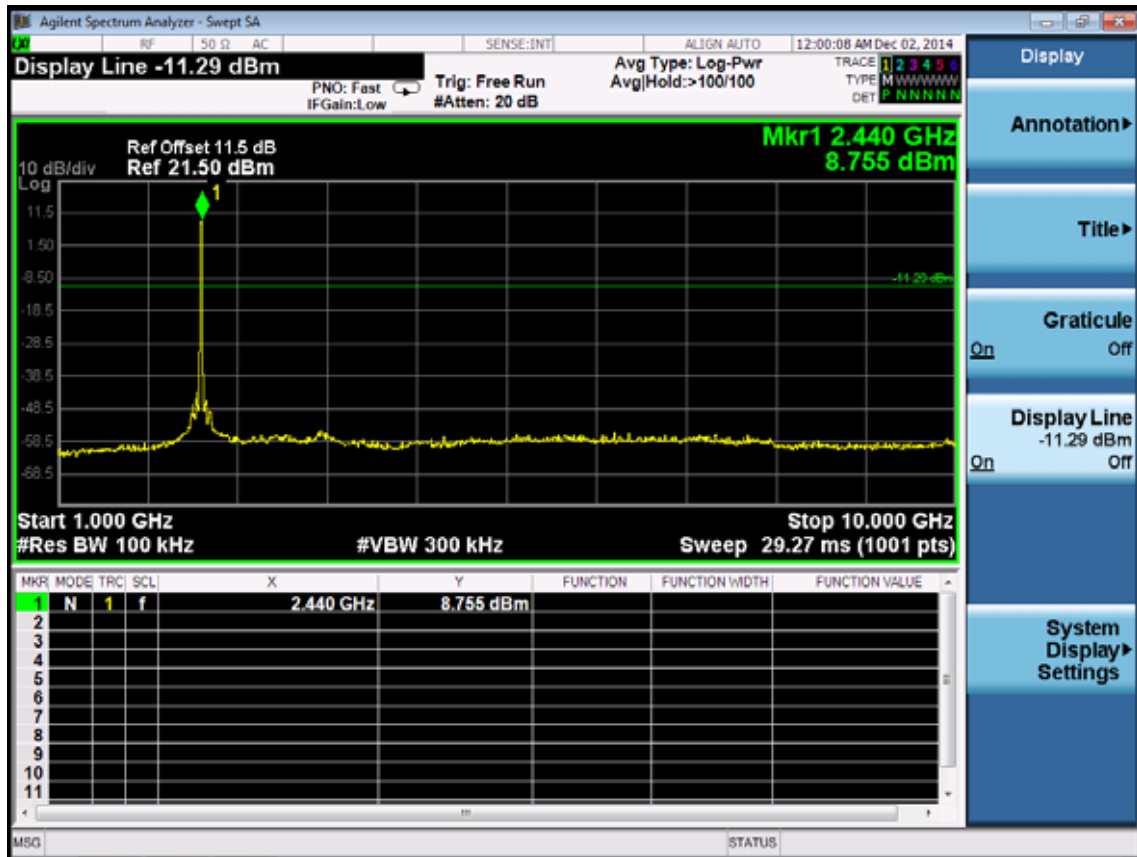
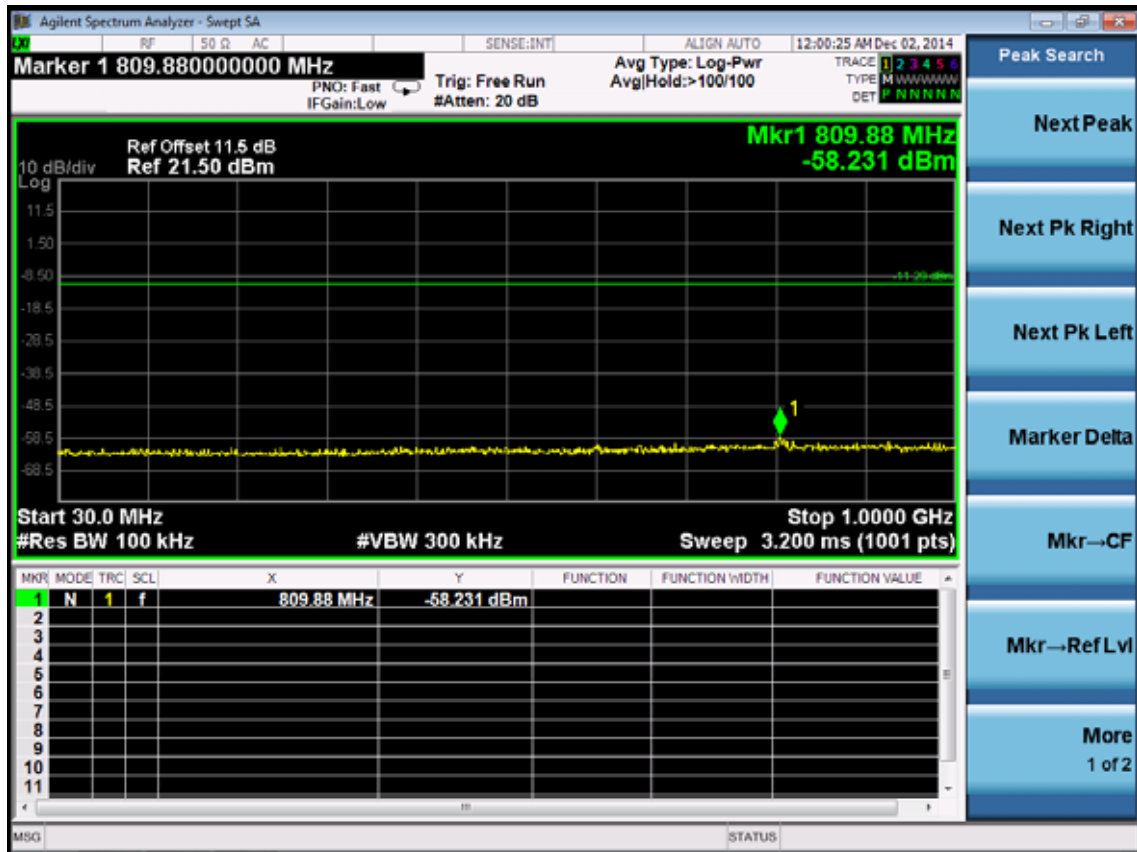
Test Mode: IEEE 802.11b TX

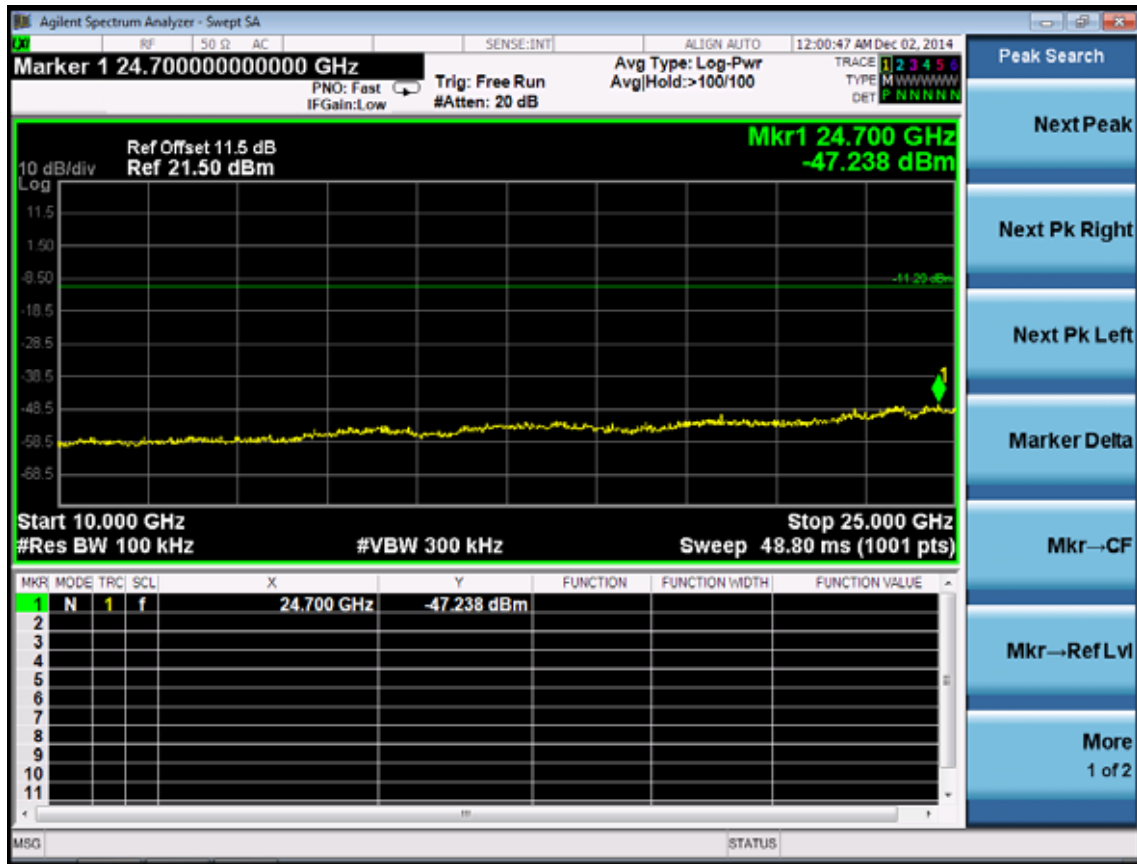
Test CH1: 2412MHz



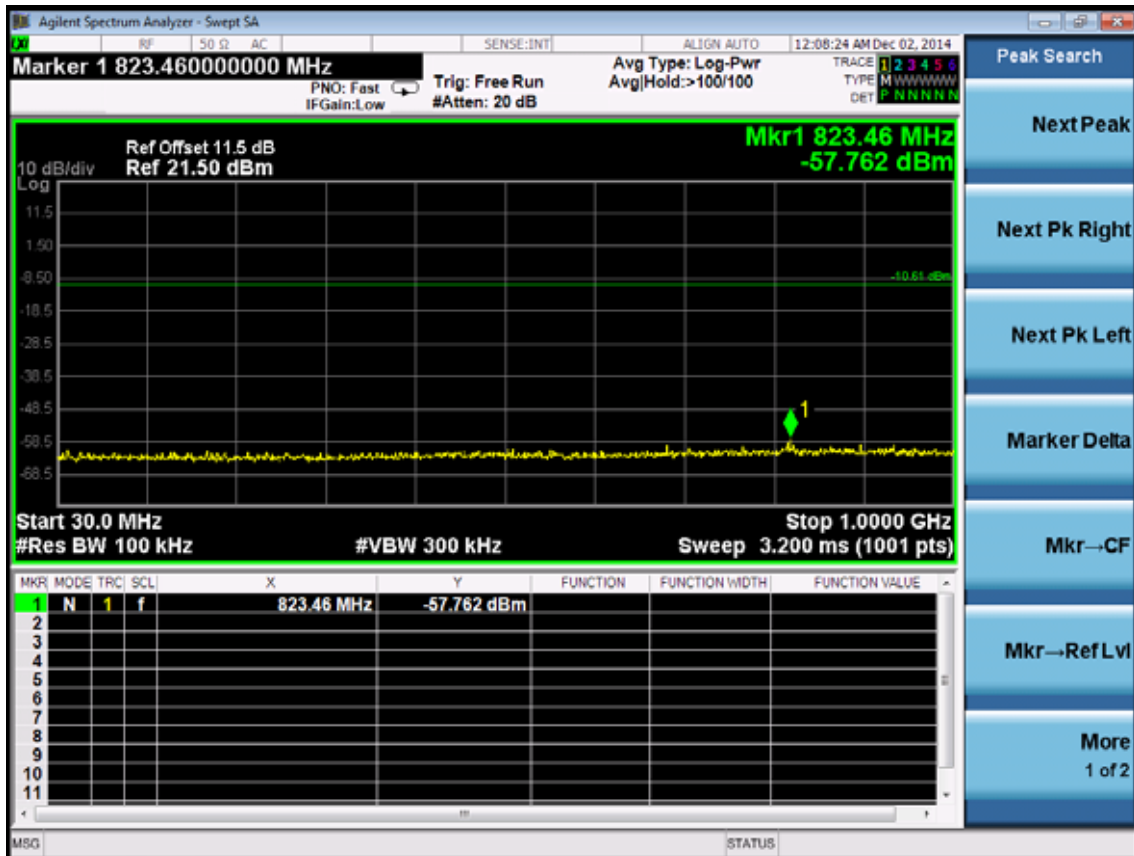


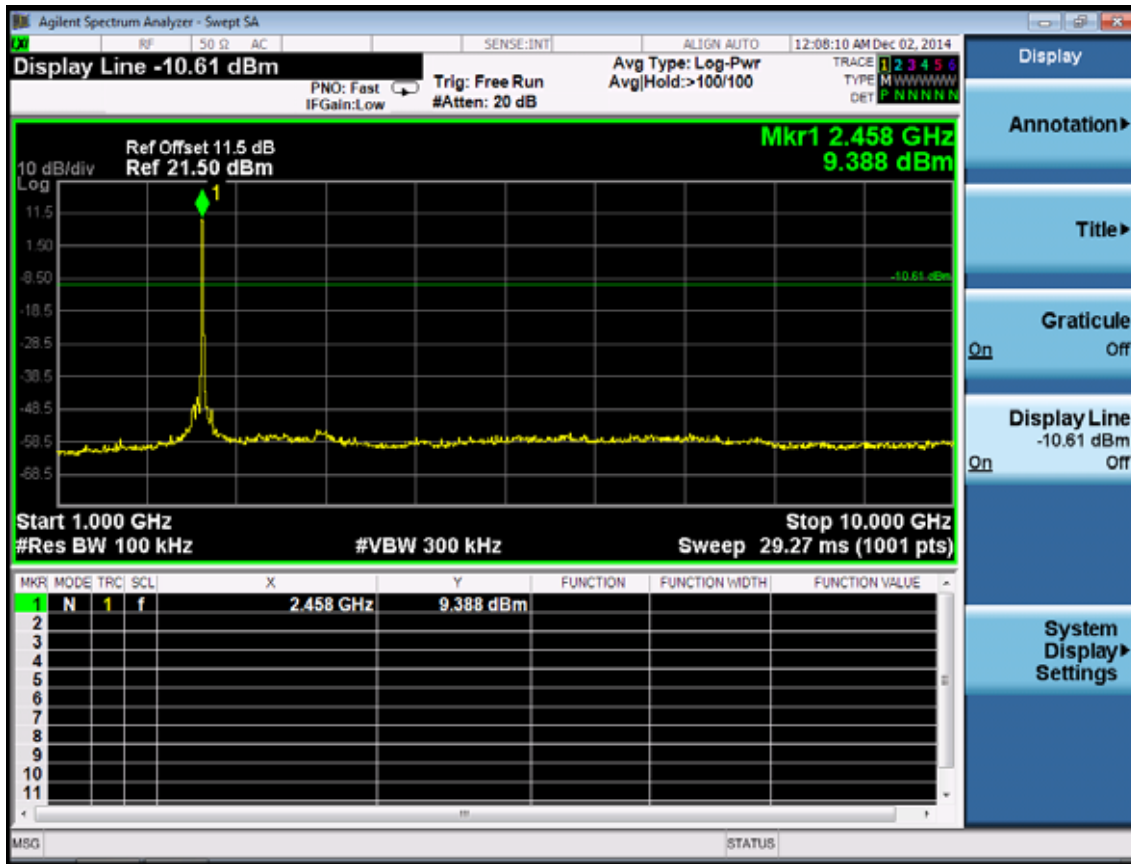
Test CH6: 2437MHz

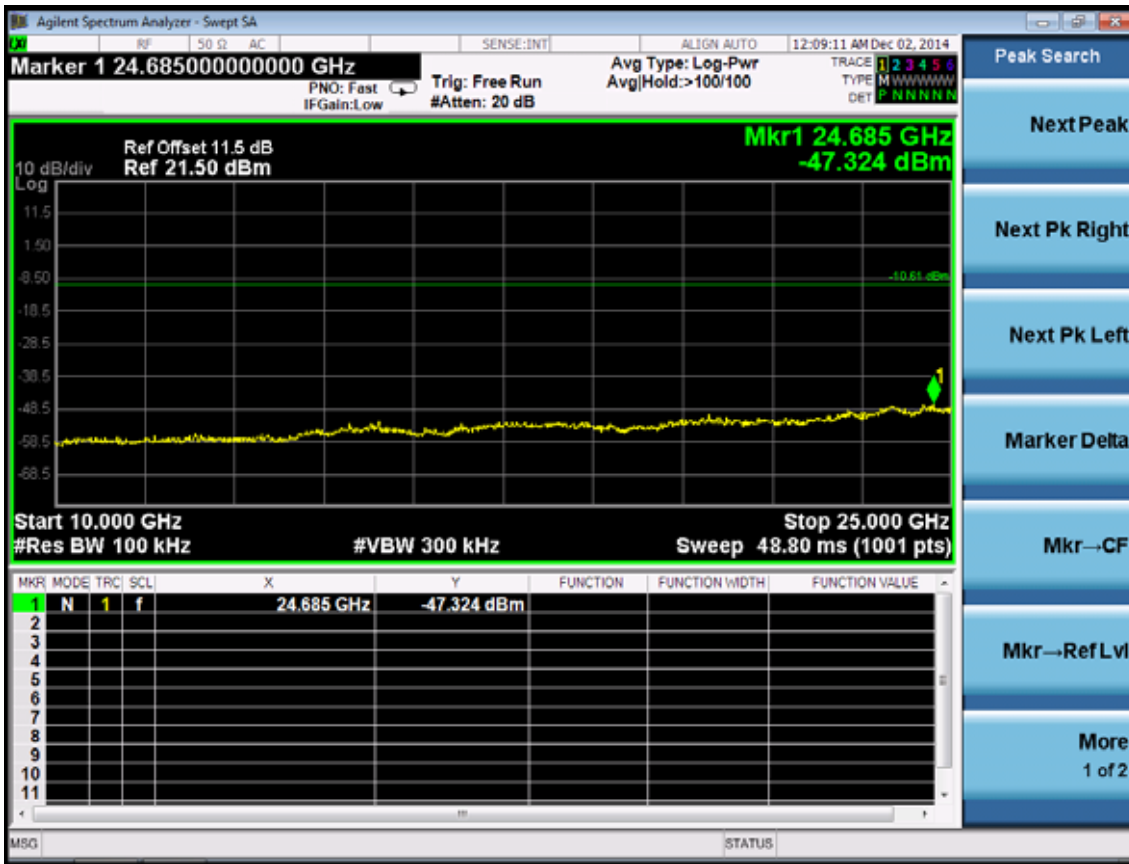




Test CH11: 2462MHz

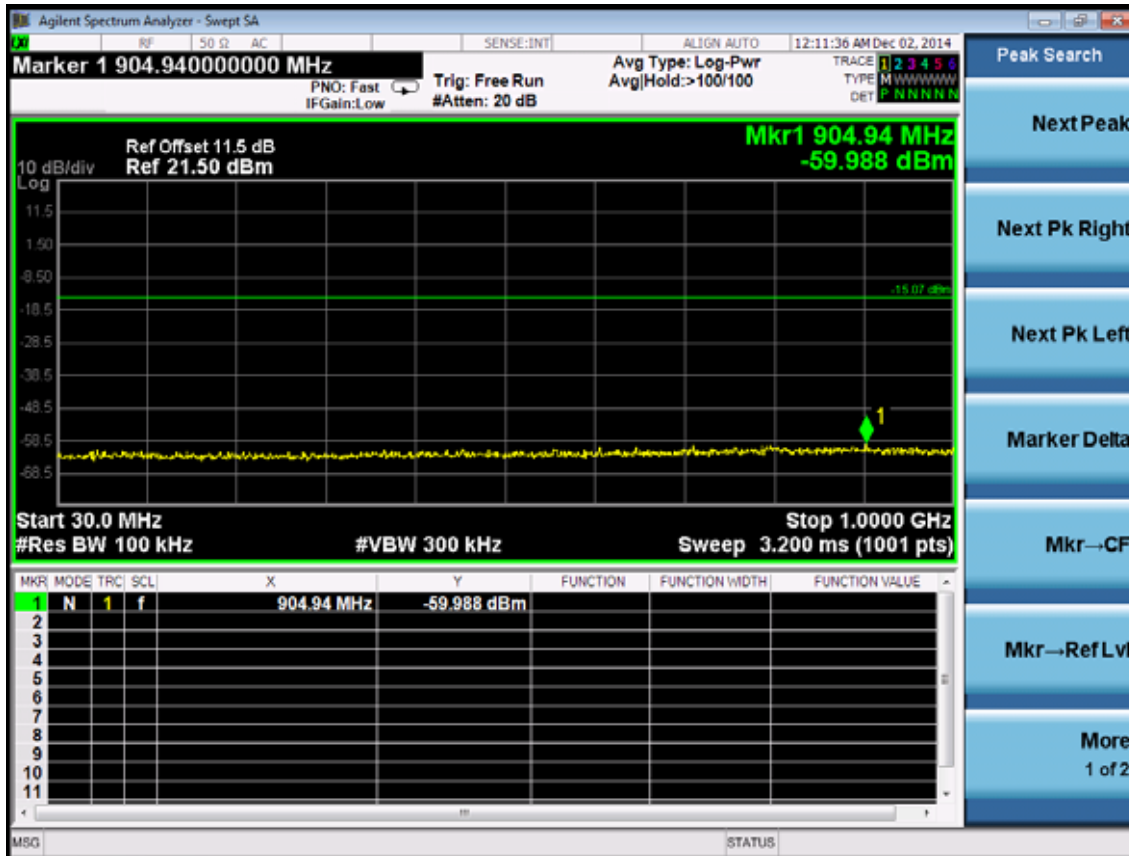


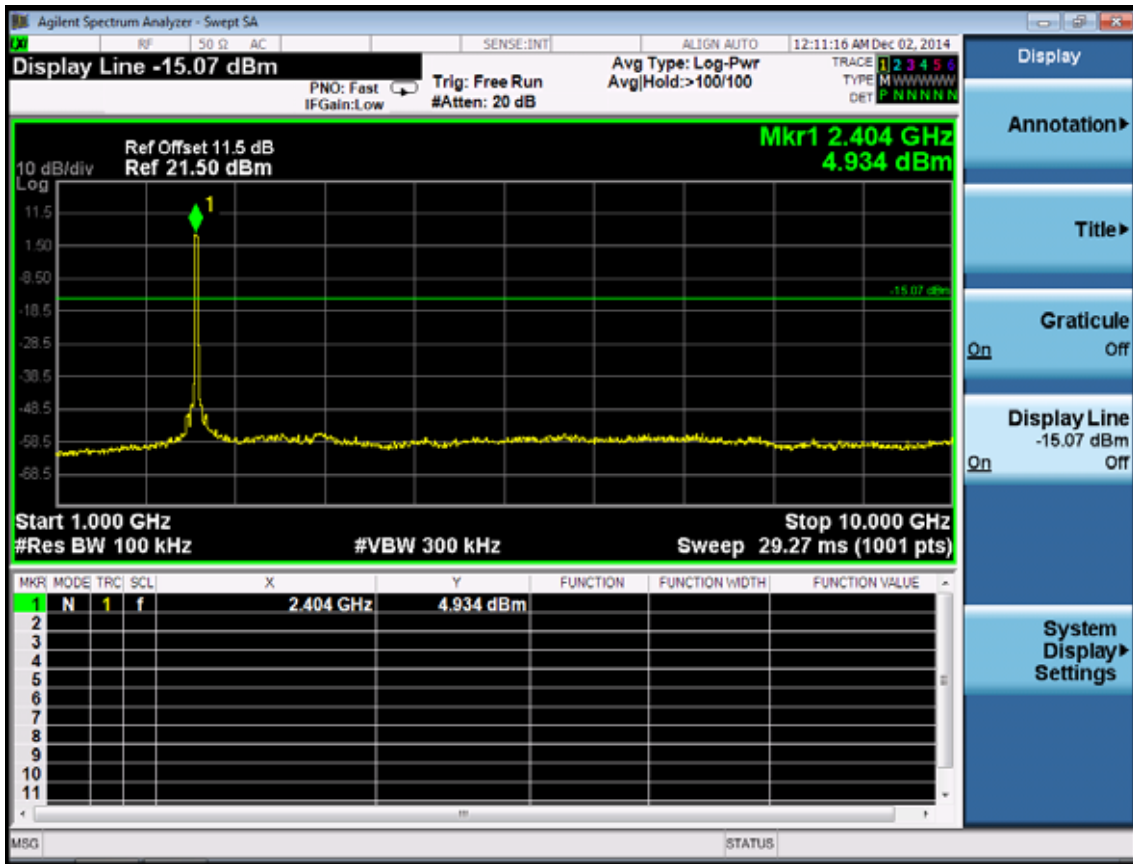


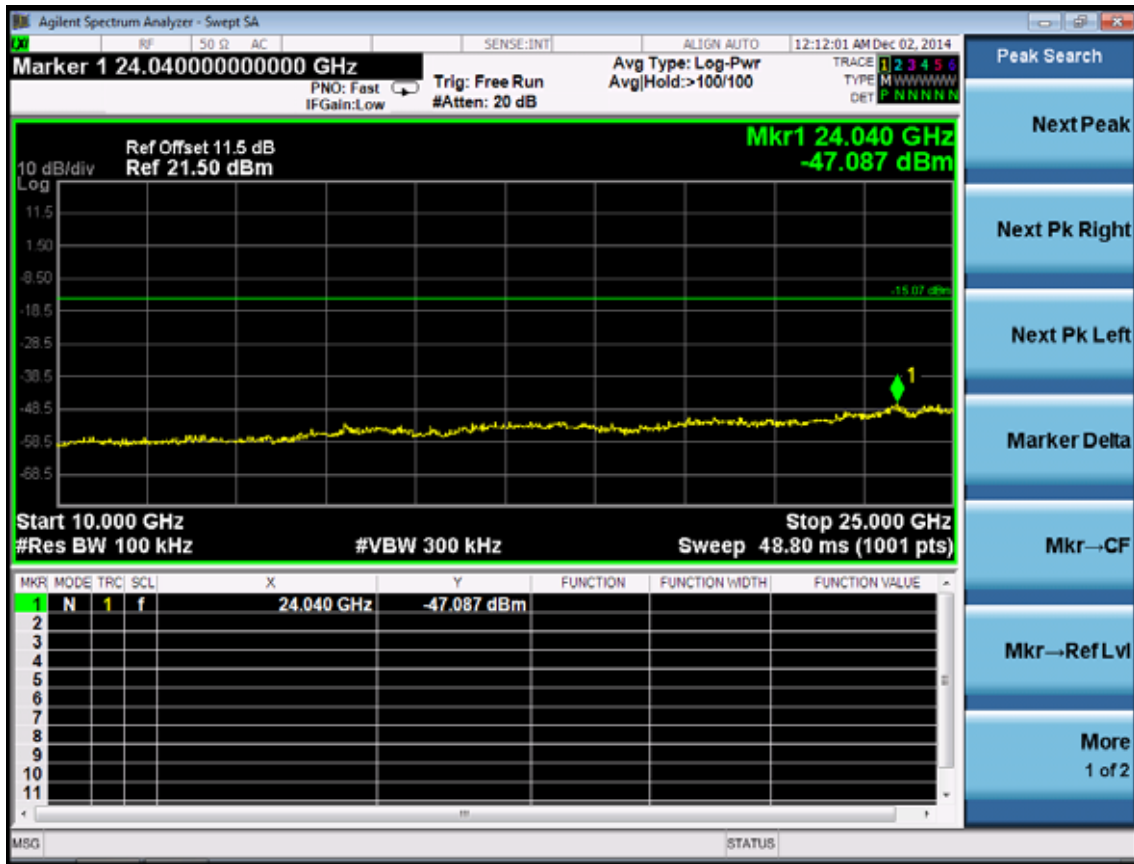


Test Mode: IEEE 802.11g TX

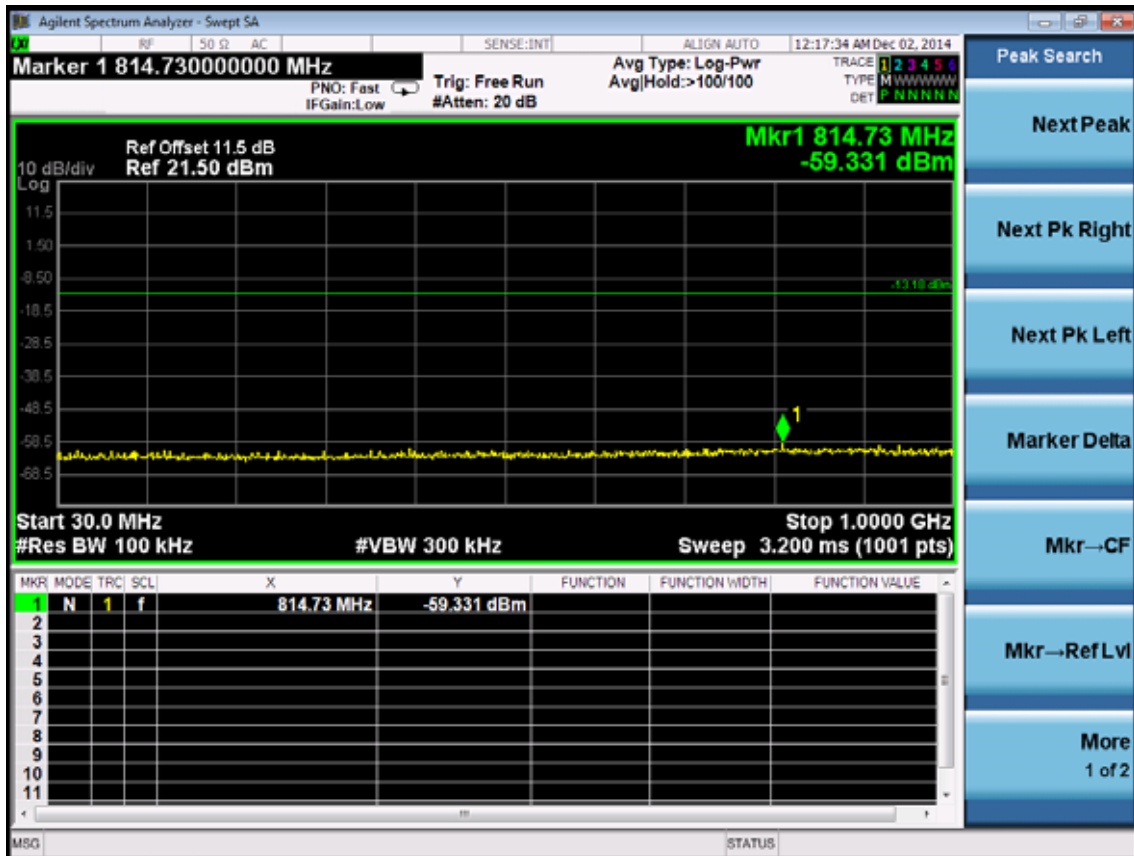
Test CH1: 2412MHz

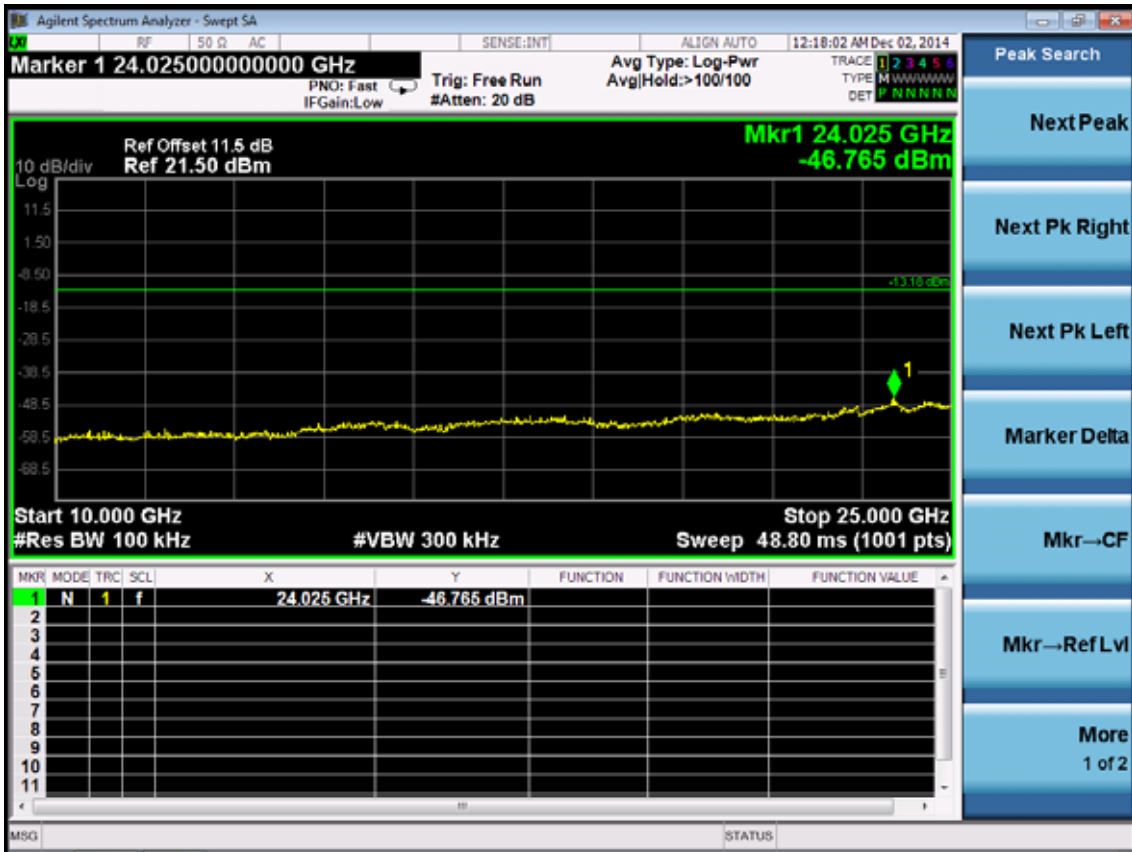
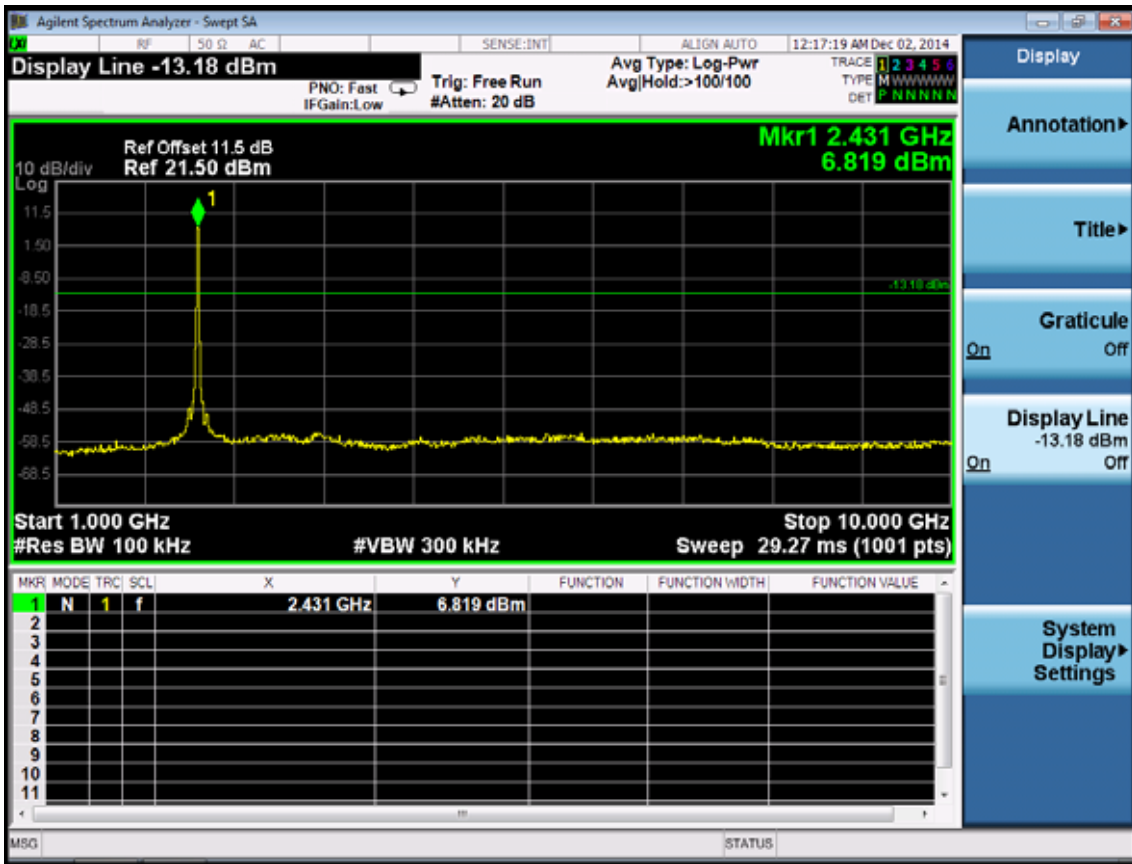




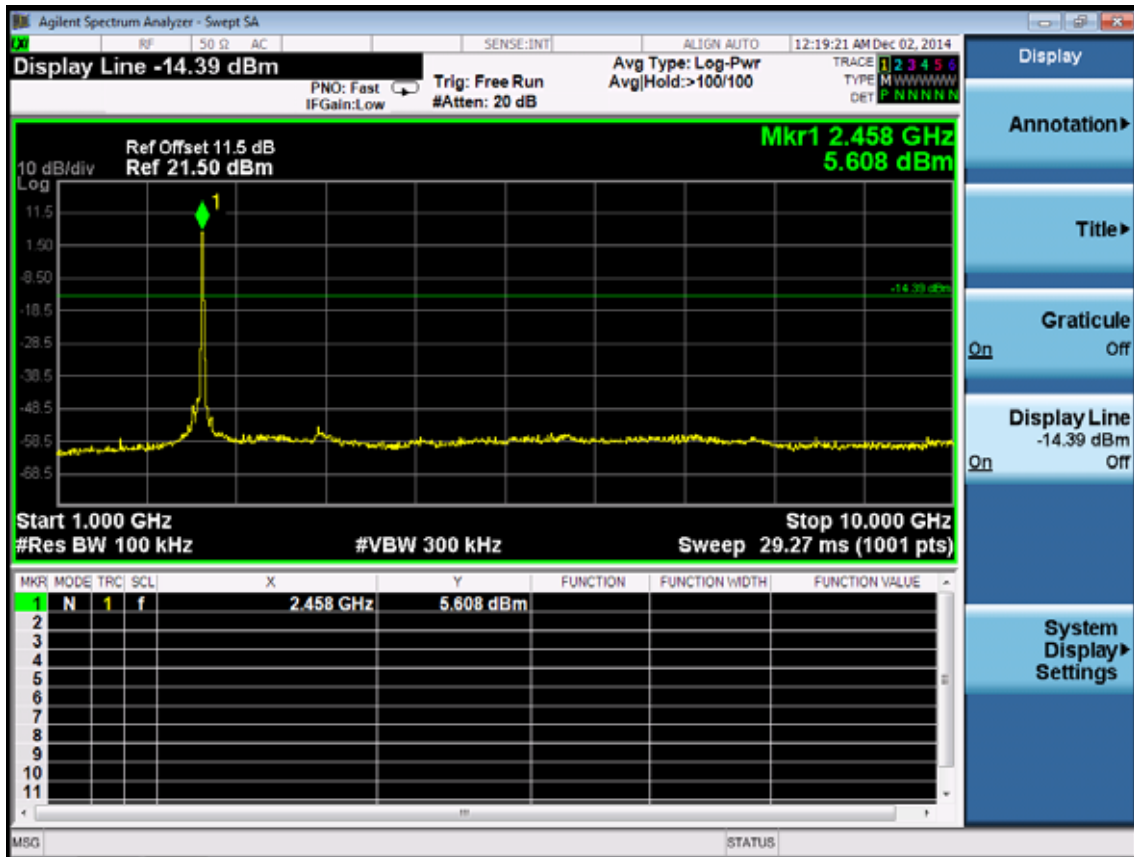
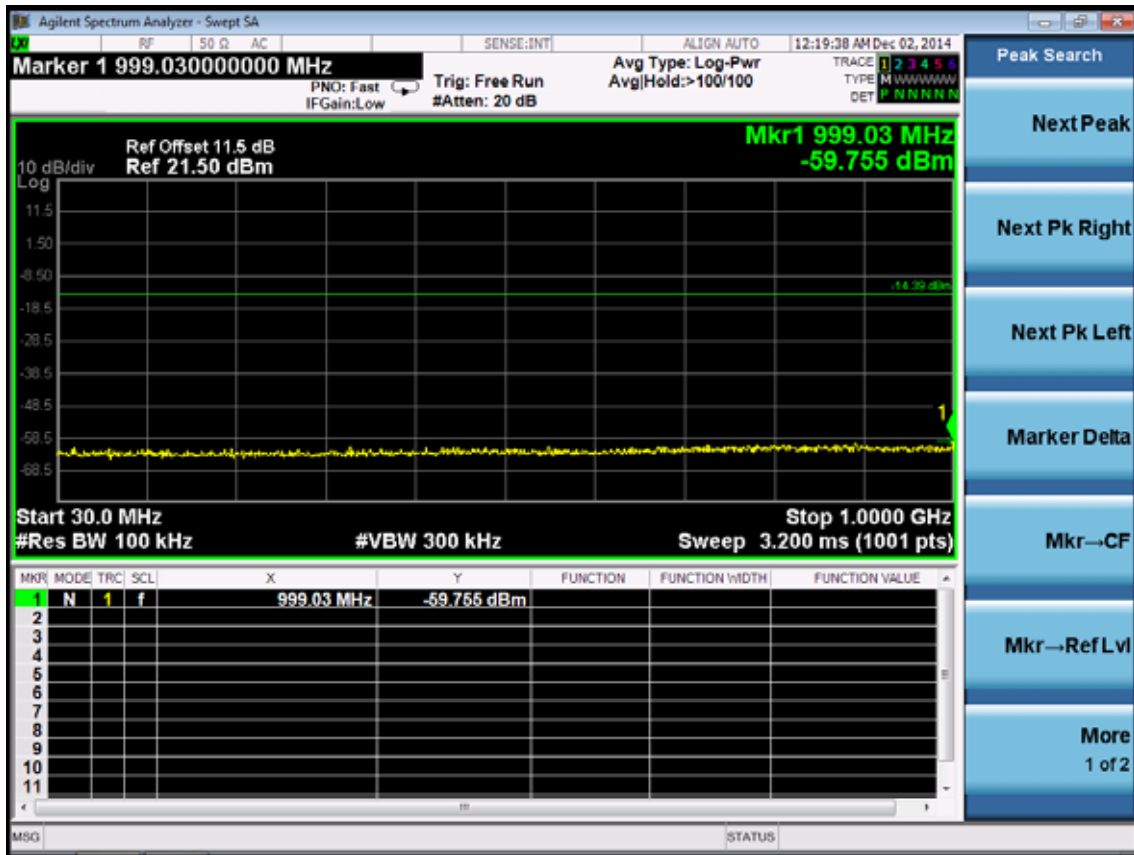


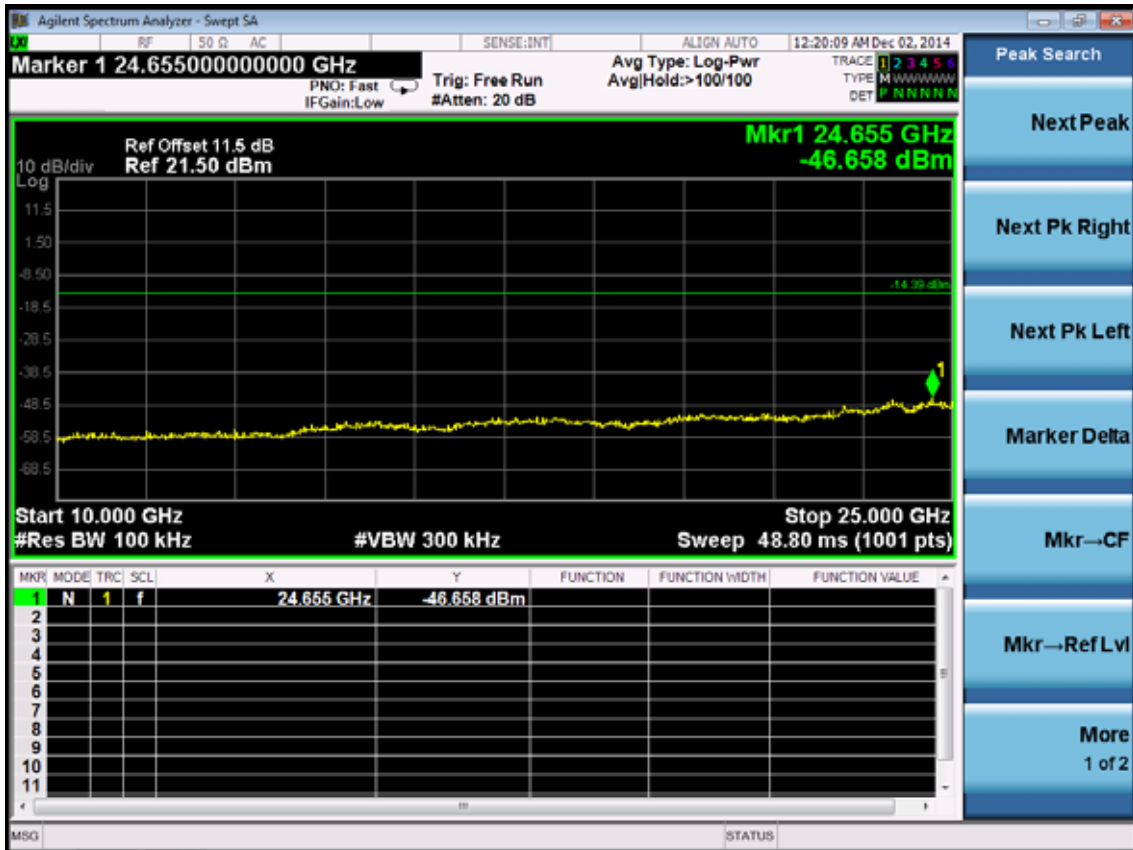
Test CH6: 2437MHz



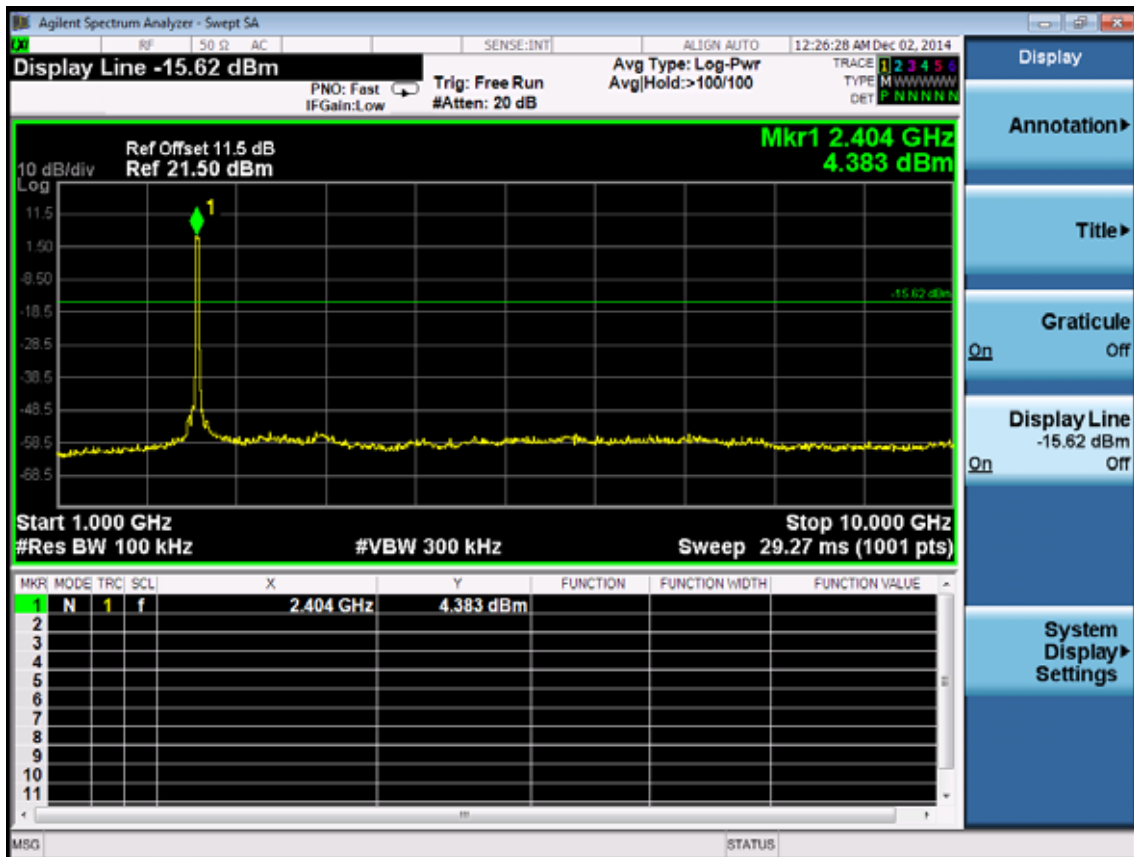
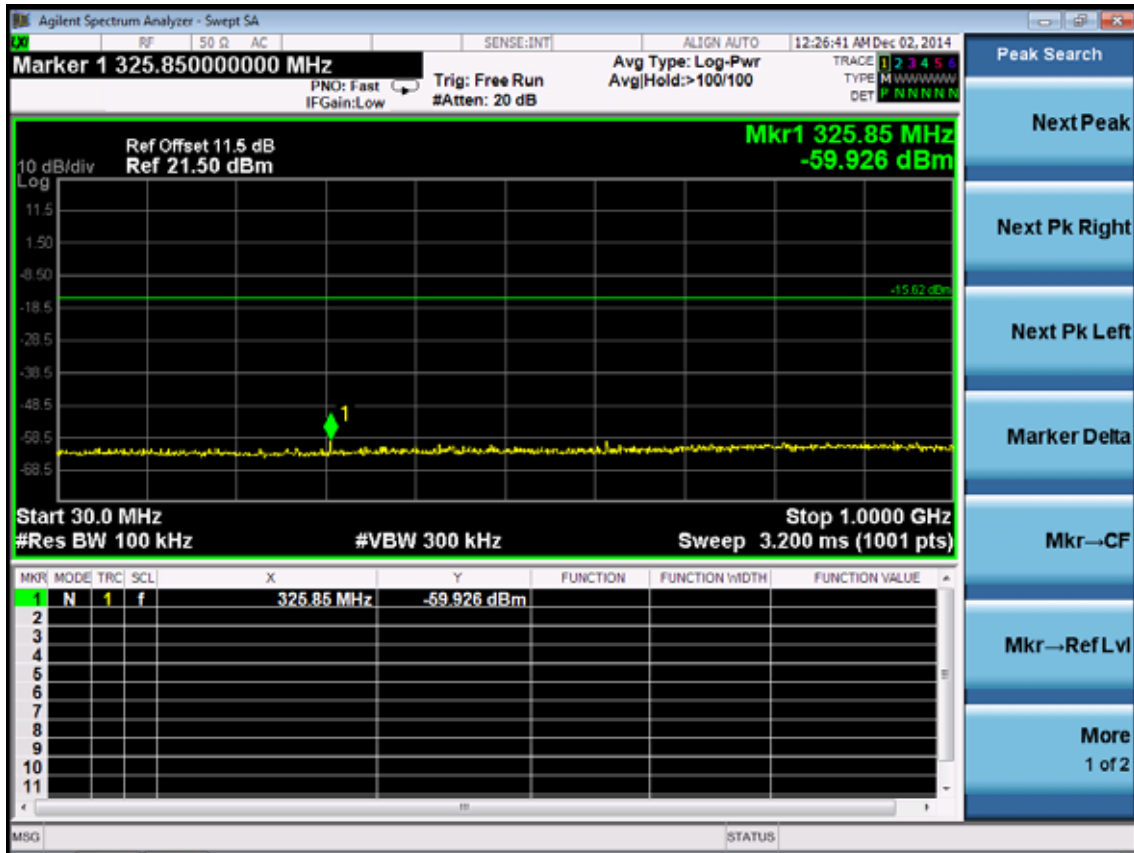


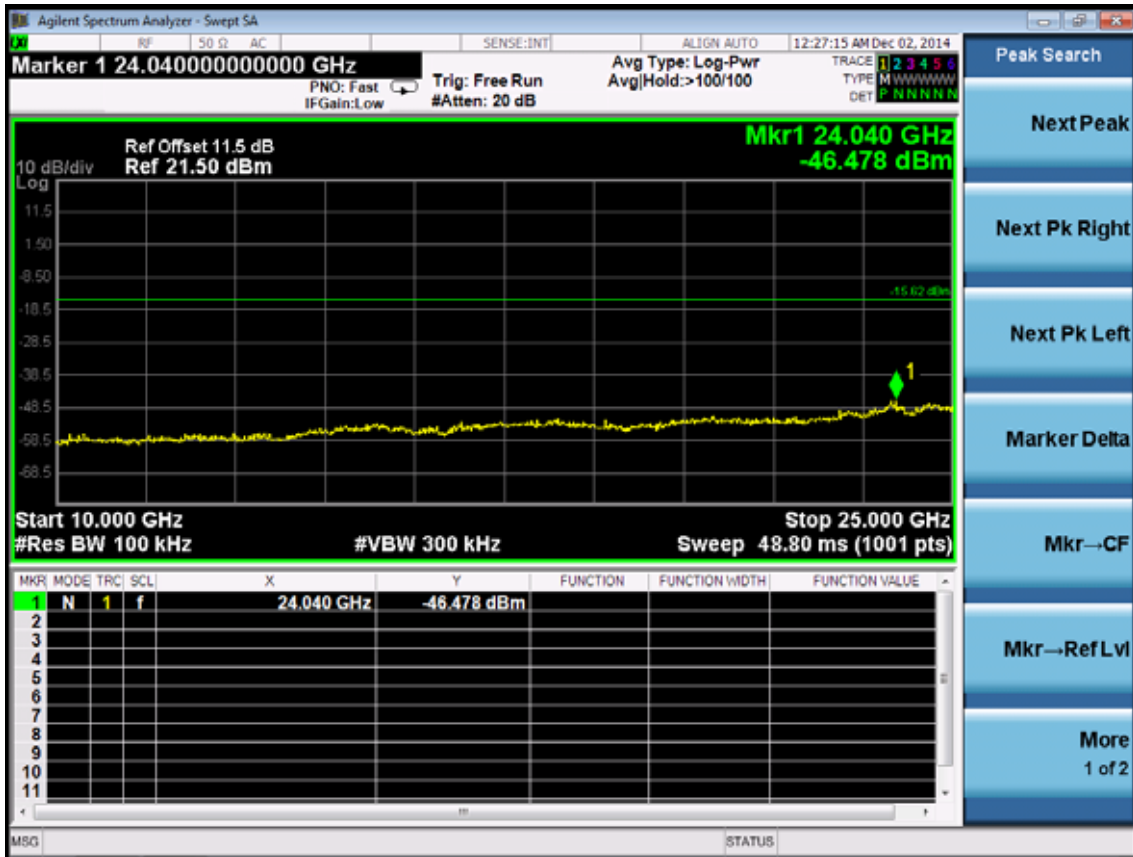
Test CH11: 2462MHz



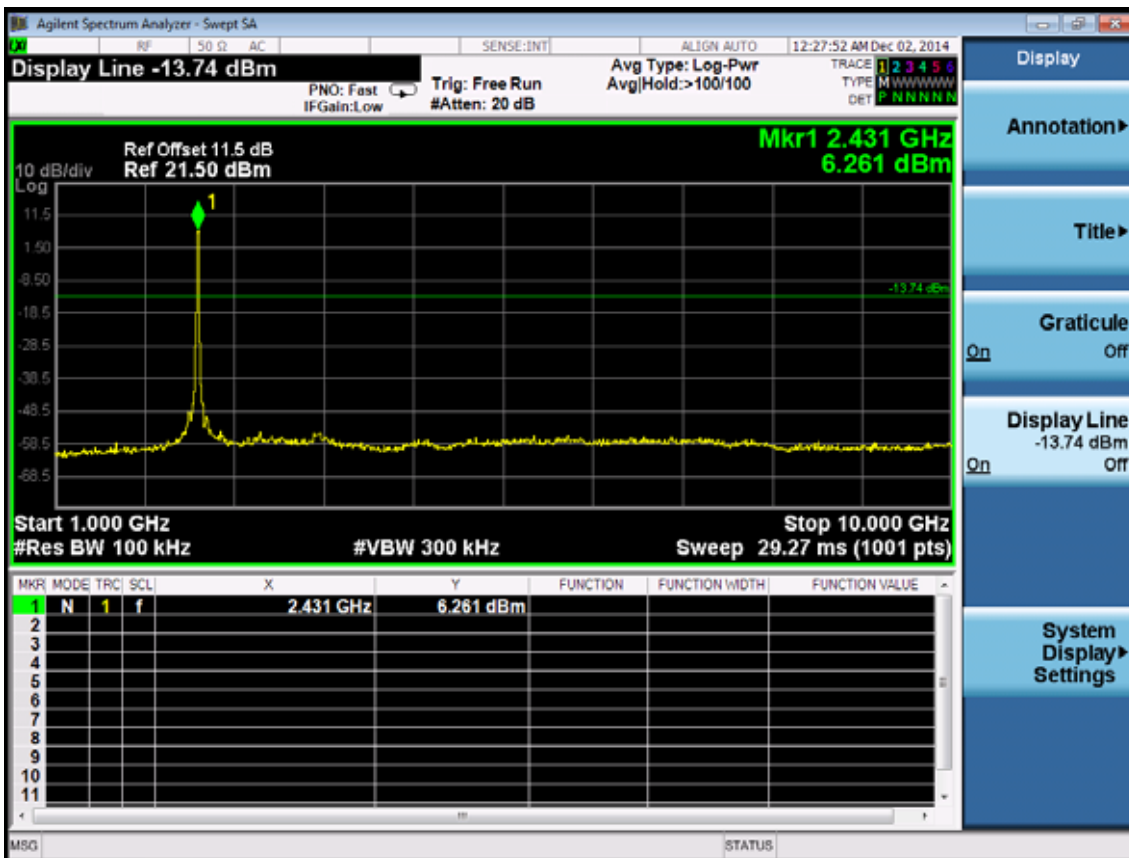
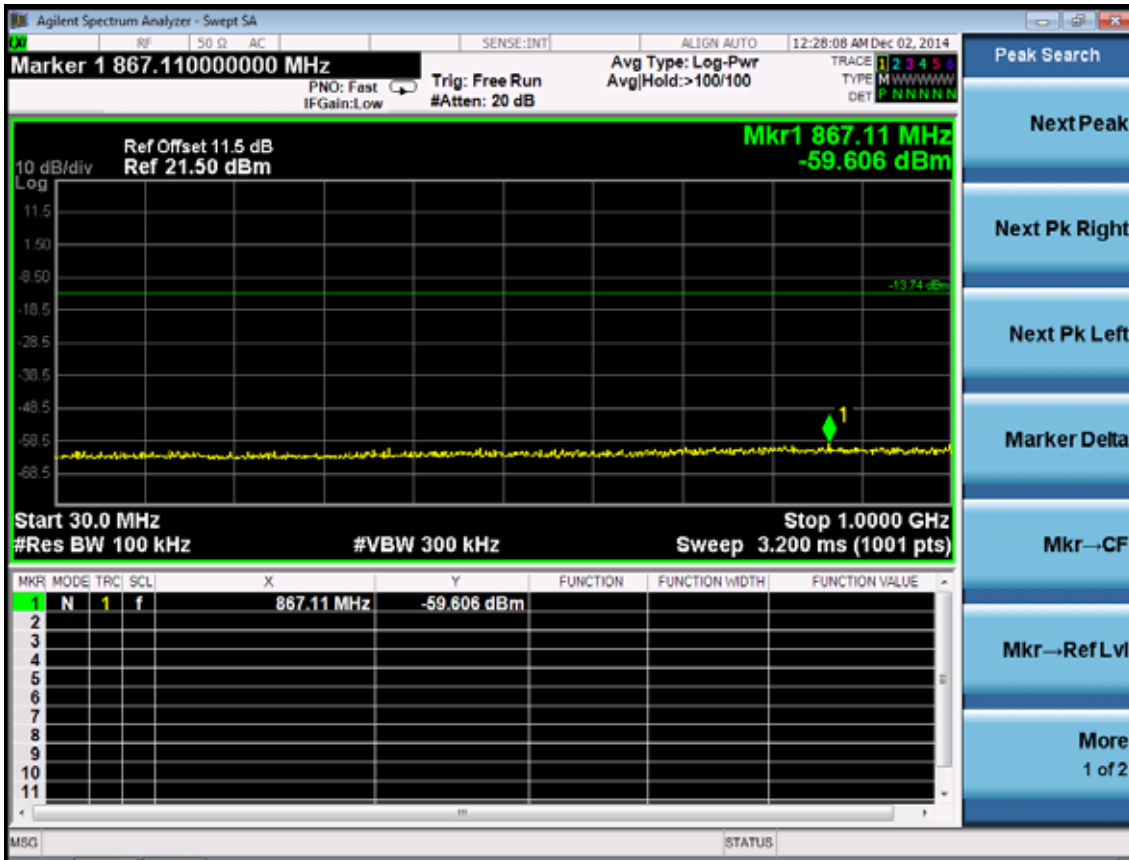


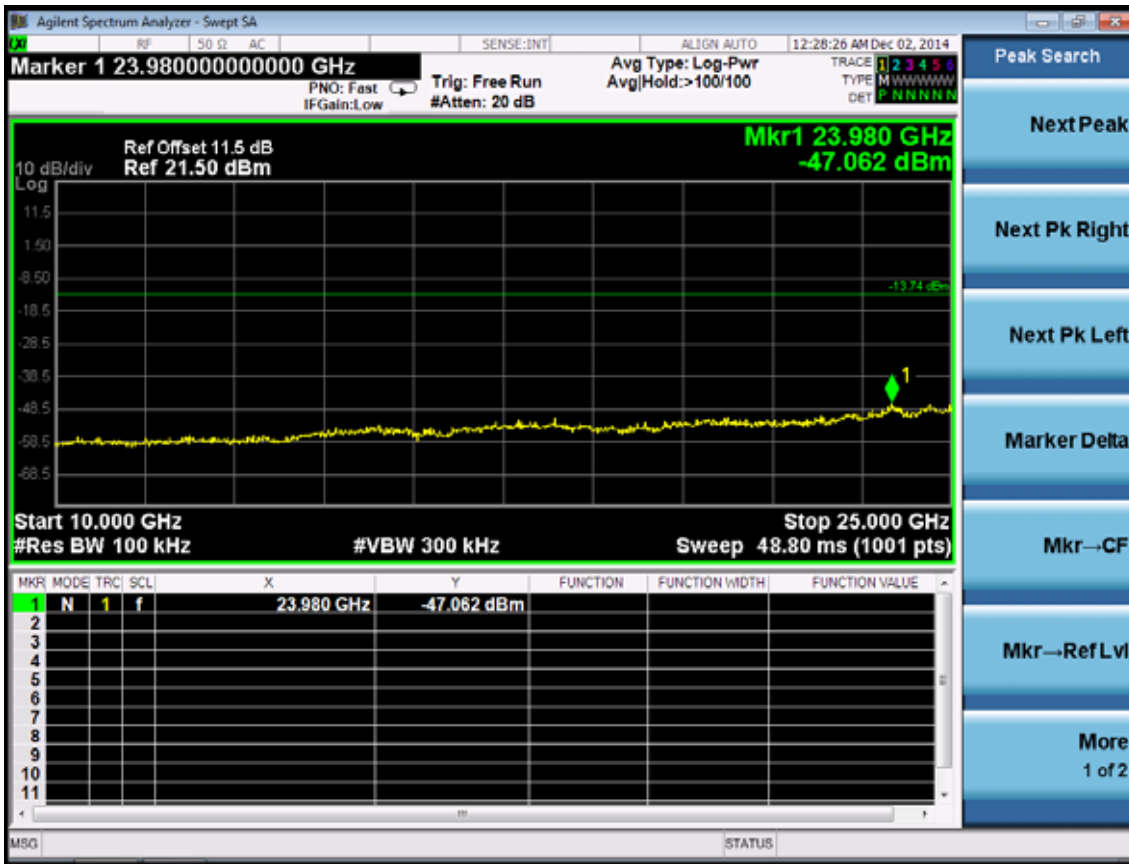
Test Mode: IEEE 802.11n HT20 TX
 Test CH1: 2412MHz



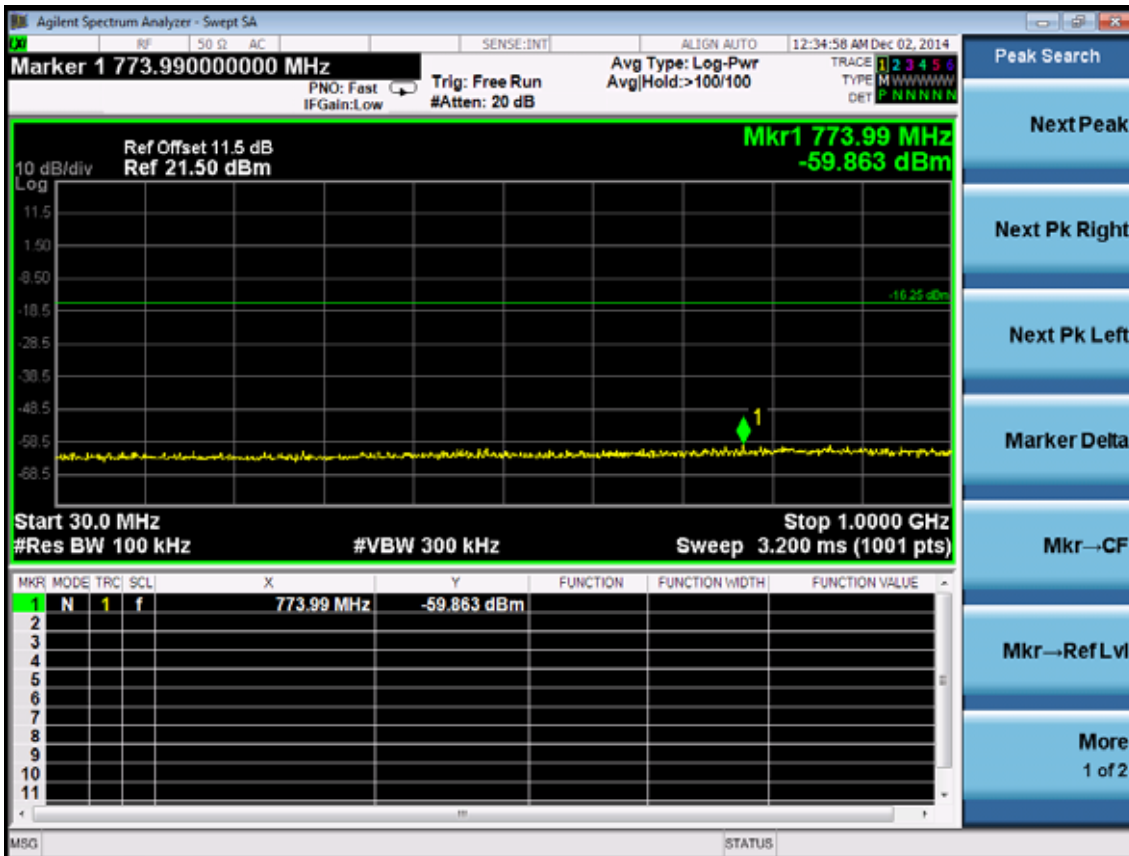


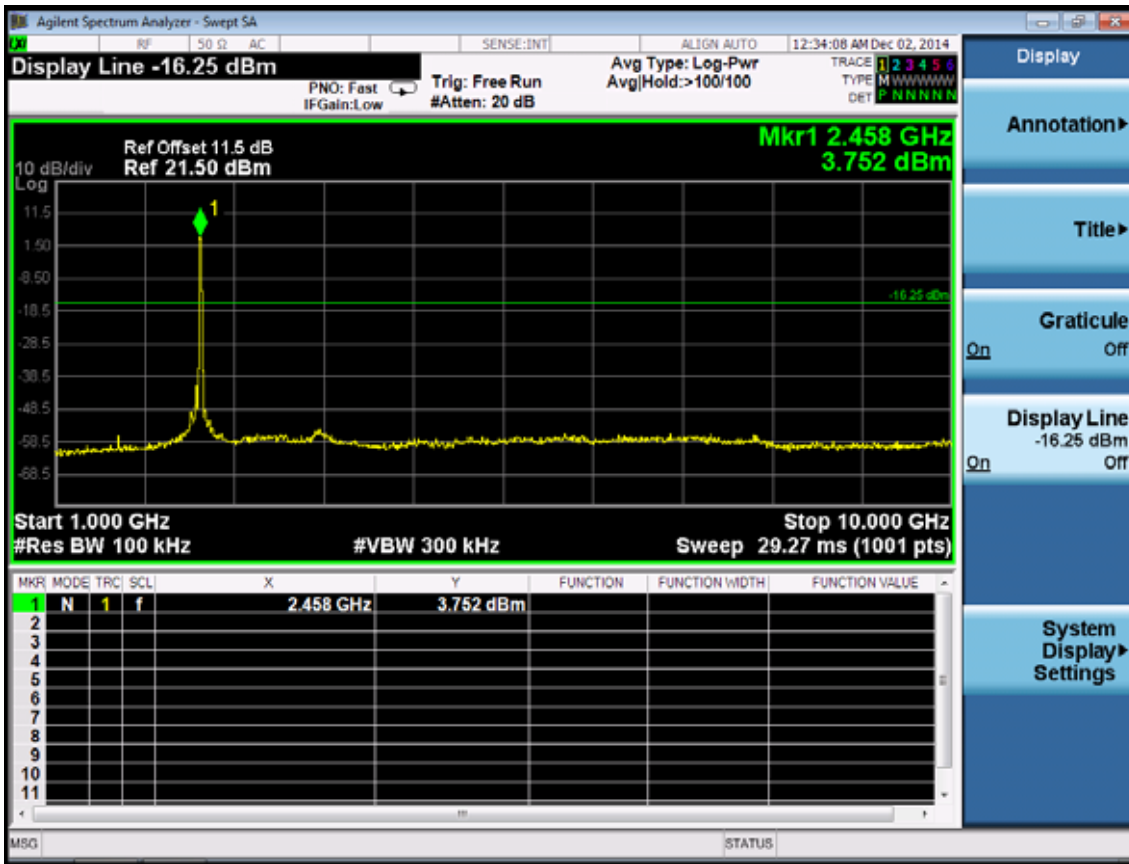
Test CH6: 2437MHz

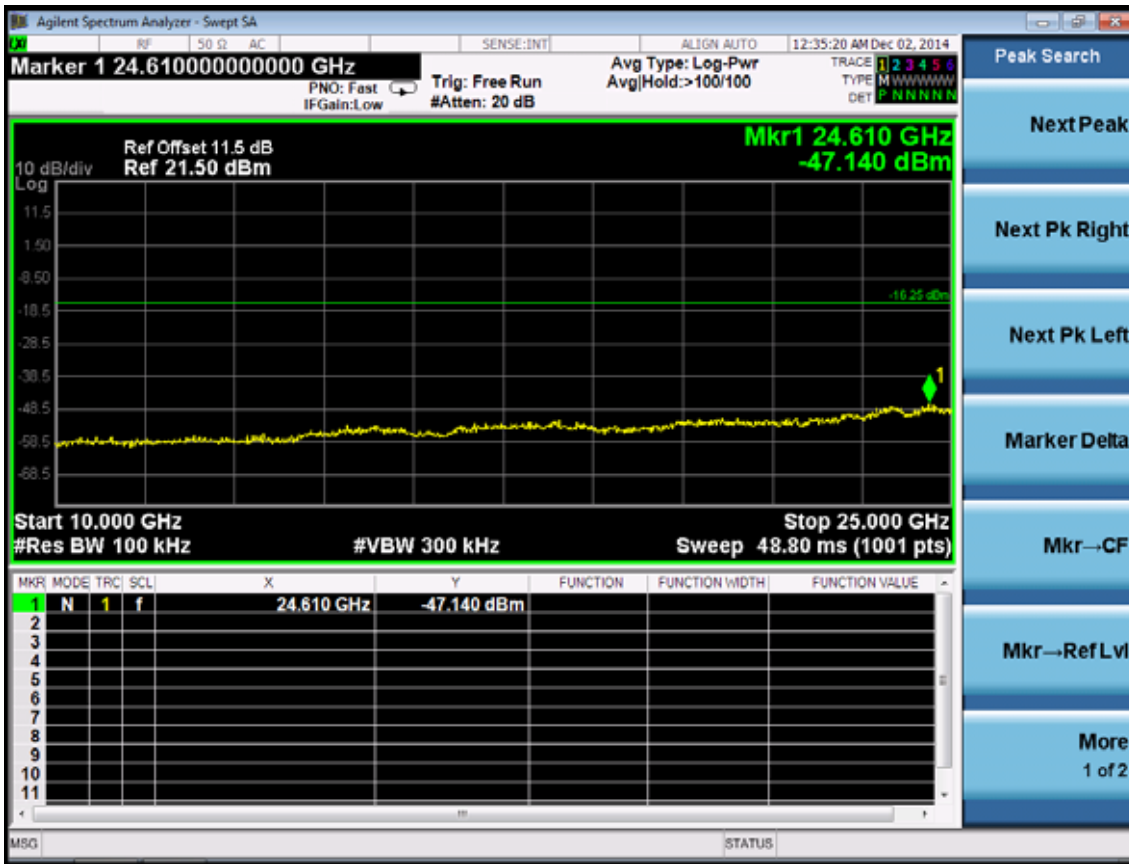




Test CH11: 2462MHz







Test Mode: IEEE 802.11n HT40 TX

Test CH3: 2422MHz

